

US EPA ARCHIVE DOCUMENT

12-2-91

38

D171005
DPBARCODE (RECORD)
101101
SHAUGHNESSY NO

EEB REVIEW 12/2/91

REVIEW NO.

DATE IN: 11-14-91 OUT: 12/2/91

CASE # : 819350 REREG CASE # : _____
SUBMISSION # : S406674 LIST A B C D
ID # : 101101

DATE OF SUBMISSION 11-12-91

DATE RECEIVED BY EFED 11-12-91

SRRD/RD REQUESTED COMPLETION DATE 12-12-91

EEB ESTIMATED COMPLETION DATE 12-12-91

SRRD/RD ACTION CODE/TYPE OF REVIEW 627 - Generic Data

MRID #(S) 00065507

DP TYPE 001 - Submission Related Data Package

PRODUCT MANAGER, NO. W. Waldrop (71)

PRODUCT NAME(S) Sencor

TYPE PRODUCT F R I N H D Herbicide

COMPANY NAME Mobay Chemical Corp.

SUBMISSION PURPOSE Review avian dietary study; previous

INCLUDE USE(S) review determined study to be

unacceptable

COMMON CHEMICAL NAME Metribuzin

DP BARCODE: D171005

REREG CASE #

CASE: 819350
SUBMISSION: S406674

DATA PACKAGE RECORD
BEAN SHEET

DATE: 11/12/91
Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

CASE TYPE: REREGISTRATION ACTION: 627 GENERIC DATA SUBMISSION
CHEMICALS: 101101 1,2,4-Triazin-5(4H)-one, 4-amino-6-(1,1-dimethylet

SENCOR

ID#: 101101

COMPANY:

PRODUCT MANAGER: 71 WALTER WALDROP 703-308-8062 ROOM: CS1 3B3
PM TEAM REVIEWER: ERIC FERIS 703-308-8048 ROOM: CS1 3G5
RECEIVED DATE: 11/12/91 DUE OUT DATE: 12/12/91

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 171005 EXPEDITE: Y DATE SENT: 11/12/91 DATE RET.: / /
CHEMICAL: 101101 1,2,4-Triazin-5(4H)-one, 4-amino-6-(1,1-dimethylethyl)-3-(m
DP TYPE: 001 Submission Related Data Package
ADMIN DUE DATE: 12/12/91 CSF: N LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	11/12/91	/ /
BRAN: EEB	11/14/91	/ /
SECT: IO	/ /	/ /
REVR :	/ /	/ /
CONTR:	/ /	/ /

* * * DATA REVIEW INSTRUCTIONS * * *

LIST A CHEMICAL

Registrant responded to a July 31, 1991 DCI requirement - guideline 71-2B - by citing this study: MRID 00065507. The registrant seems to have been informed in the past that this study was not acceptable but was not given an explanation (ie: what needs to be done to upgrade the study? or exactly why is the study unacceptable?). Please provide a definitive review that clearly outlines what the registrant needs to do to satisfy this requirement.

- Thanks!

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

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

2



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Response re Metribuzin Guideline Requirement 71-2B
Barcode: 171005
ID No: 101101

FROM: Douglas J. Urban, Acting Chief
Ecological Effects Branch
Environmental Fate and Effects Division (H7507C) *Douglas J. Urban* 11/25/91

TO: Walter Waldrop PM 71
Reregistration Branch
Special Review/Reregistration Division (H7508W)

BACKGROUND

In a July 31, 1991 List A DCI, Mobay Chemical Corporation was requested to submit data to satisfy requirements for guideline 71-2B, Acute avian dietary with mallard. The registrant responded to this request by citing a study with MRID No. 00065507. Apparently, the registrant was previously informed that this study was not acceptable, but was not informed why.

RESPONSE

Study Identification:

Burke, M.A. and Lamb, D.W. (1977). Dietary toxicity of Sencor Technical to Bobwhite Quail and Mallard Ducks. Study performed by Chemagro Agricultural Division for Mobay Chemical Company. MRID No. 00065507.



MEMORANDUM

SUBJECT: Response re Metribuzin Guideline Requirement 71-2B
Barcode: 171005
ID No: 101101

FROM: Douglas J. Urban, Acting Chief
Ecological Effects Branch
Environmental Fate and Effects Division (H7507C)

TO: Walter Waldrop PM 71
Reregistration Branch
Special Review/Reregistration Division (H7508W)

BACKGROUND

In a July 31, 1991 List A DCI, Mobay Chemical Corporation was requested to submit data to satisfy requirements for guideline 7/-2B, Acute avian dietary with mallard. The registrant responded to this request by citing a study with MRID No. 00065507. Apparently, the registrant was previously informed that this study was not acceptable, but was not informed why.

RESPONSE

Study Identification:

Burke, M.A. and Lamb, D.W. (1977). Dietary toxicity of Sencor Technical to Bobwhite Quail and Mallard Ducks. Study performed by Chemagro Agricultural Division for Mobay Chemical Company. MRID No. 00065507.

CONCURRENCES

SYMBOL	H7507C	H7507C						
URNAME	J. Mark	Vaughan						
DATE	11/20/91	11-25-91						

4

Both a bobwhite and a mallard dietary study were included under MRID No. 00065507. The bobwhite study lacked documentation of many test conditions (origin of birds, measurement of concentrations, autopsy, temperature, humidity, and lighting). The study's construction was also lacking in that there was only a 4000 ppm test level and a control. Further, the study did not adhere to guidelines in that neither was a precise LC_{50} found nor was the LC_{50} found to be > 5000 ppm.

The bobwhite study was judged to be unacceptable for the following reasons:

- * 20% of the control animals died
- * 2 birds showed signs of intoxication, but the study was not continued beyond eight days
- * No lower test levels were employed to determine a no effect level.

The bobwhite dietary was repeated and the new study was reviewed on December 11, 1986. This study supplied the necessary information on test conditions. The LC_{50} was found to be > 5000 ppm. This report (data accession number 262228) does fulfill guideline requirements for an avian dietary study with upland gamebirds.

The original mallard study that in 1977 was reported to have fulfilled guideline requirements, would not fulfill the guidelines by today's standards. Like the original bobwhite study, the mallard study lacked descriptions of testing parameters and only showed the LC_{50} to be > 4000 ppm. The mallard study differed from the original bobwhite dietary, however, in that the mallards showed no signs of toxicity and no control birds died. Since the bobwhite dietary study was repeated and reviewed in 1986 and found to be acceptable, EEB feels that no new information would be obtained from repeating the mallard dietary. The mallard dietary requirement has been satisfied.

An adjustment to the Metribuzen reregistration standards should be made to reflect this change.

If you have any questions, please contact Heather Mansfield (305-5064).

5