

US EPA ARCHIVE DOCUMENT

8-23-91

059101
SHAUGHNESSEY NO

REVIEW NO.

EEB REVIEW

DPBARCODE/RECORD NO: D167547 REREG CASE: _____
CASE: 015424
SUBMISSION: 3400830

DATE IN: 08.14.91 OUT: 8/23/91

REREGISTRATION NO., OR ID# 062719 - 00088

PETITION OR EXP. NO. _____

DATE OF SUBMISSION 08.02.91

DATE RECEIVED BY EFED 08.13.91

SRRD/RD REQUESTED COMPLETION DATE 09.27.91

EEB ESTIMATED COMPLETION DATE 09.27.91

SRRD/RD ACTION CODE/TYPE OF REVIEW 305

LIST A, B, C, D _____

DATA ACCESSION NO(S) 419655-01, 419655-02

PRODUCT MANAGER, NO. D. Edwards (19)

PRODUCT NAME(S) Dursban ME20 (chlorpyrifos)

COMPANY NAME Dow Elanco

SUBMISSION PURPOSE Review of avian dietary studies
with microencapsulated product

CHEMICAL NAME Chlorpyrifos



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

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

August 23, 1991

MEMORANDUM

SUBJECT: XRM 5160 (Microencapsulated insecticide) (Dursban ME20)
Data Evaluation Records: Reregistration Follow-up
(D167547; 015424; S400830)

FROM: Doug Urban, Acting Chief *Douglas J Urban* 10/9/91
Ecological Effects Branch
Environmental Fate and Effects Division (H7507C)

TO: Dennis Edwards, Jr., PM 19
Reregistration Branch
Special Review and Reregistration Division (H7508W)

Two avian dietary studies were submitted by DowElanco in support of XRM 5160 (microencapsulated insecticide) (25.65 % a.i. as chlorpyrifos) reregistration. These studies, with results, and their status are as follows:

XRM 5160 MEC (25.65 % a.i. as chlorpyrifos)

Avian dietary LC₅₀-bobwhite quail LC₅₀=2013 ppm¹ Core for form. prod. *516 ppm a.i.*

Avian dietary LC₅₀-mallard duck LC₅₀=4223 ppm¹ Core for form. prod. *1683 ppm a.i.*

These studies fulfill data requirement 71-2 (a and b), Avian Dietary LC₅₀ tests with the formulated product.

If you have any questions on the above, please feel free to contact Kathryn Valente (557-4365).

¹For formulated product XRM 5160 MEC, 25.65 % a.i. as chlorpyrifos.

August 1, 1991

Dennis Edwards
Product Manager (12)
U.S. Environmental Protection Agency
Registration Division H7504C
Room 202, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202



Dear Mr. Edwards:

Enclosed please find two studies which evaluate the toxicology of DURSBAN ME20 (XRM-5160; EPA Reg. No. 62719-88) on two avian species;

<u>GUIDELINE REFERENCE NO.</u>	<u>TITLE</u>	<u>MRID#</u>
71-2	Long, R.D., G.J. Smith, and J. B. Beavers. 1991. XRM-5160 (Micro-encapsulated Insecticide): A dietary LC ₅₀ study with the mallard. (DowElanco report F A1A EC20 TWBIRD AM F5160 56)	419655-01
71-2	Long, R.D., G.J. Smith, and J.B. Beavers. 1991. XRM-5160 (Micro-encapsulated Insecticide): A dietary LC ₅₀ study with the northern bobwhite. (DowElanco report F A1A EC20 TWBIRD AM F5160 21)	419655-02

These studies provide additional support to the contention that the microencapsulated product has a minimal environmental impact. We respectfully request that these studies and others submitted earlier (MRID#'s 41885201-02-03-04) be reviewed as they pertain to DowElanco petitions for turf and ornamental use patterns of the subject product.

Please contact either myself (317) 870-7270 or Mike Melichar (317) 870-7273 if you have any questions regarding these studies.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Pinkham".

Jeff Pinkham, Ph.D
Product Registration Manager

Chlorpyrifos
DURSBAN ME20
059101

Full copy

DP BARCODE: D167547

DATA PACKAGE RECORD
BEAN SHEET

DATE: 08/13/91
Page 1 of 1

CASE: 015424
SUBMISSION: S400830

*** CASE/SUBMISSION INFORMATION ***

CASE TYPE: REGISTRATION ACTION: 305 TECH-LBL REV AMND DATA RE
CHEMICALS: 059101 Chlorpyrifos (0,0-diethyl O-(3,5,6-trichloro-2-py 20.0000%

ID#: 062719-00088 DURSBAN ME20 MICROENCAPSULATED INSECTICIDE
COMPANY: 062719 DOWELANCO 703-557-2386 ROOM: CM2 202
PRODUCT MANAGER: 19 DENNIS JR EDWARDS 703-557-4417 ROOM: CM2 202B
PM TEAM REVIEWER: CARL ANDREASEN
RECEIVED DATE: 08/02/91 DUE OUT DATE: 10/31/91

*** DATA PACKAGE INFORMATION ***

DP BARCODE: 167547 EXPEDITE: N DATE SENT: 08/13/91 DATE RET.: / /
CHEMICAL: 059101 Chlorpyrifos (0,0-diethyl O-(3,5,6-trichloro-2-pyridyl) ph
DP TYPE: 001 Submission Related Data Package LABEL: N
ADMIN DUE DATE: 09/27/91 CSF: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	08/13/91	/ /
BRAN: EEB	08/14/91	/ /
SECT:	/ /	/ /
REVR :	8/15/91	8/23/91
CONTR:	/ /	/ /

*** DATA REVIEW INSTRUCTIONS ***

See cover letter. Please review dietary LC-50 studies on mallard (MRID 419655-01) and northern bobwhite (MRID 419655-02).

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

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