

DP Barcode : D182817  
 PC Code No : 128887  
 EEB Out : NOV 29 1993

To: Joanne Miller  
 Product Manager 23  
 Registration Division (H7505C)

From: Anthony F. Maciorowski, Chief  
 Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # : 000352-00509  
 Chemical Name : Methyl 2-((((4-methoxy-6-methyl-1,3,5-.....  
 Type Product : Herbicide  
 Product Name : Express Herbicide  
 Company Name : E. I. DuPont de Nemours and Company, Inc.  
 Purpose : Registrant submission of toxicity data on  
 as part of 6(a)(2) response.

Action Code : 405 Date Due : 10/01/94  
 Reviewer : A. Vaughan Date In : 09/22/92

EEB Guideline/MRID Summary Table: The review in this package contains an evaluation of the following:

GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT
71-1(A)			72-2(A)			72-7(A)		
71-1(B)			72-2(B)			72-7(B)		
71-2(A)			72-3(A)			122-1(A)		
71-2(B)			72-3(B)			122-1(B)		
71-3			72-3(C)			122-2		
71-4(A)			72-3(D)			123-1(A)		
71-4(B)			72-3(E)			123-1(B)		
71-5(A)			72-3(F)			123-2		
71-5(B)			72-4(A)			124-1		
72-1(A)			72-4(B)			124-2		
72-1(B)			72-5			141-1		
72-1(C)			72-6			141-2		
72-1(D)				422894-01 422894-02 422894-03 422894-04 422894-05 422894-06	S S S S S S	141-5		

Y=Acceptable (Study satisfied Guideline)/Concur  
 P=Partial (Study partially fulfilled Guideline but additional information is needed)  
 S=Supplemental (Study provided useful information but Guideline was not satisfied)  
 N=Unacceptable (Study was rejected)/Nonconcur

DP BARCODE: D182817

CASE: 007502  
SUBMISSION: S417048

DATA PACKAGE RECORD  
BEAN SHEET

DATE: 09/21/92  
Page 1 of 1

\* \* \* CASE/SUBMISSION INFORMATION \* \* \*

CASE TYPE: REGISTRATION ACTION: 405 S(A)(2) ADVERSE DATA  
CHEMICALS: 128887 Methyl 2-((((4-methoxy-6-methyl-1,3,5-triazin-2-y 75.0000%

ID#: 000352-00509 EXPRESS HERBICIDE  
COMPANY: 000352 E. I. DU PONT DENEMOURS AND CO, INC  
PRODUCT MANAGER: 23 JOANNE MILLER 703-305-7830 ROOM: CM2 237  
PM TEAM REVIEWER: STEVEN ROBBINS 703-305-5611 ROOM: CM2 263  
RECEIVED DATE: 04/22/92 DUE OUT DATE: 07/01/92

\* \* \* DATA PACKAGE INFORMATION \* \* \*

DP BARCODE: 182817 EXPEDITE: N DATE SENT: 09/21/92 DATE RET.: / /  
CHEMICAL: 128887 Methyl 2-((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)methyla  
DP TYPE: 001 Submission Related Data Package  
ADMIN DUE DATE: 10/16/92 CSF: N LABEL: Y

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	09/21/92	12/02/93
BRAN: EEB	09/22/92	/ /
SECT:	/ /	/ /
REVR :	/ /	/ /
CONTR:	/ /	/ /

\* \* \* DATA REVIEW INSTRUCTIONS \* \* \*

Please review this data (MRID#s 422894-01 thru 422894-06) and advise as to your findings and/or any needed labeling changes.

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

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
178397	EFGB/CRS3	05/21/92	06/15/92	Y	N	Y

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

NOV 29 1993

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: DuPont Herbicides (Express, Harmony Extra, and Harmony+Exell): Review of studies on predaceous beetles, submitted under 6(a)2 (D182817)

FROM: Anthony F. Maciorowski. Chief  
Ecological Effects Branch  
Environmental Fate and Effects Division (7507C)

TO: Joanne Miller, PMT-23  
Fungicide/Herbicide Branch  
Registration Division (7505C)

EEB has conducted a cursory review of the following studies, which were submitted under 6(a)2:

Rombke, J., and P. Vickus. 1992. A study of the acute toxicity for Aleochara bilineata (Staphylinidae) of Pointer. MRID No. 42289401.

Rombke, J. 1992. A study of the acute toxicity for Poecilus cupreus (Carabidae) of Pointer. MRID No. 42289402.

Rombke, J., and P. Vickus. 1992. A study of the acute toxicity for Aleochara bilineata (Staphylinidae) of Harmony Extra. MRID No. 42289403.

Rombke, J. 1992. A study of the acute toxicity for Poecilus cupreus (Carabidae) of Harmony Extra. MRID No. 42289404.

Rombke, J., and P. Vickus. 1992. A study of the acute toxicity for Aleochara bilineata (Staphylinidae) of Harmony+Exell. MRID No. 42289405.

Rombke, J. 1992. A study of the acute toxicity for Poecilus cupreus (Carabidae) of Harmony+Exell. MRID No. 42289406.



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Results of these studies may be summarized as follows:

<u>Pesticide</u>	<u>Rate</u>	<u>Effect on A. bilineata</u>	<u>Effect on P. cupreus</u>
Express	2X max. U.S. rate	58% reduc. in eggs laid	17% reduc. in feeding
Harmony Extra	Max. U.S. rate	39% reduc. in eggs laid	18% reduc. in feeding
Harmony+Exell	1/4 max. U.S. rate	35% reduc. in eggs laid	25% reduc. in feeding

Under the IOBC (International Organization for Biological Control) testing scheme, effects less than 30% in the lab are considered harmless; effects from 31-79% are considered slightly to moderately harmful. Thus, under the conditions of these tests, all three pesticides tested "slightly to moderately harmful" to A. bilineata and "harmless" to P. cupreus.

Results of these studies do not indicate presumption of high risk, nor do they trigger a need for higher tier testing. Since these studies do not correspond to any EEB data requirement, they will be considered supplemental. The information will be placed in the EEB file for future reference.

Any questions or comments on this memo should be referred to Allen Vaughan at 305-6464.

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