DP Barcode : D155660
PC Code No : 109303
EEB Out : 3-2-93

To: GEORGE LAROCCA
Product Manager 15
Registration Division (H7505C)

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

Attached, please find the EEB review of...

Reg./File # :
Chemical Name : FENVALERATE
Type Product :
Product Name :
Company Name : DUPONT DENEMOURS & CO, INC
Purpose : REVIEW FISK KILL INCIDENT POTENTIALLY CAUSED BY FENVALERATE AND INDICATE WHETHER IT CHANGES THE PRESUMPTION OF RISK
Action Code : Date Due : 3-5-93
Reviewer : MIKE REXRODE Date In EEB: 9-17-90

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)						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

MAR 2 1993

DP BARCODE: D155660

CASE: 281602 DATA PACKAGE RECORD DATE: 09/14/90
SUBMISSION: S382015 BEAN SHEET Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

CASE TYPE: MISCELLANEOUS ACTION: DATA - ADVERSE DATA
CHEMICAL: 109301 Fenvalerate
ID#:
COMPANY: E. I. DU PONT DENEMOURS AND COMPANY, INC.
PRODUCT MANAGER: 15 GEORGE LAROCCA 703-557-2400 ROOM: CM#2 204
PM TEAM REVIEWER: ADAM HEYWARD 703-557-4421 ROOM: CM#2 200
RECEIVED DATE: 07/30/90 DUE OUT DATE: 10/08/90

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 155660 EXPEDITE: N DATE SENT: 09/14/90 DATE RET.: / /
DP TYPE: 001 Submission Related Data Package
ADMIN DUE DATE: 10/09/90 CSF: N LABEL: N

ASSIGNED TO	DATE IN	ASSIGNED TO	DATE IN
DIV : EFED	09/14/90	REVR : JAKERMAN	/ /
BRAN: EEB	MAR 2 1993	CONTR:	/ /
SECT: IO			

* * * DATA PACKAGE REVIEW INSTRUCTIONS * * *

DU PONT IS REPORTING AN INCIDENT OF FISH KILL AS A RESULT OF EXPOSURE TO ASANA. PLEASE REVIEW THE ATTACHED LETTER AND REPLY WITHIN 30-DAYS OR LESS.

THERE ARE NO ADDITIONAL DATA PACKAGE RECORDS

No bites or report [illegible]

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

MAR 2 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

Subject: Review 6(a)(2) Information on Fish Kill that may have Resulted from ASANA Exposure

From: Anthony F. Maciorowski, Chief
Ecological Effects Branch
Environmental Fate and Effects Division (H7507C)

To: George T. LaRocca, PM-15
Product Manager
Registration Division (H7505C)

The Ecological Effects Branch (EEB) has received a report from Du Pont describing a fish kill that may have resulted from ASANA exposure. The following information describes the incident.

On June 13, 1990, Steve Ross of the Illinois Department of Agriculture contacted Du Pont to request an analytical standard of esfenvalerate, the active ingredient in ASANA XL Insecticide. Suspecting that ASANA runoff into an Illinois farm pond had resulted in a fish kill, Mr. Ross planned to evaluate this problem by conducting analysis on water samples. The pond was located adjacent to a field on which a mixture of pesticides had reportedly been applied (paraquat, Bicep, ASANA XL, 2,4-D and zinc phosphide).

EEB has evaluated the information, submitted by Du Pont, that describes the fish kill event and the situations prior to this occurrence. However, this report is very brief and does not outline significant points that can refute or defend the claim that ASANA was the primary compound of concern. There was no indication as to time and amount of application of any of the other pesticides that were purported to have been used on this acreage. The fish that died were not identified as to species, age (life stage), or tissue residues. Although water concentrations (0.1 ppb) of esfenvalerate were noted, there was no information as to time of sampling, depth of water sampled, water quality characteristics (pH, alkalinity, clarity, DO, temperature), amount of esfenvalerate and other compounds in the sediment, algae bloom, plankton abundance and time of fish kill. Therefore, EEB can only acknowledge the possibility of an ASANA

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fish kill but no direct determination can be concluded with the present information.

This incident does not change our presumption of risk for Asana. No additional data are required because of this incident and no immediate regulatory action is recommended beyond that which would be initiated based on the field testing and other available information.