

US EPA ARCHIVE DOCUMENT



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

8.25.92

MEMORANDUM

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

SUBJECT: Phase IV Review for Compound 1080 in the Livestock  
Protection Collar

FROM: Doug Urban, Acting Chief  
Ecological Effects Branch/EFED (H7507C)

TO: Fred Betz, Acting Chief  
Science Analysis and Coordination Staff/EFED

*Douglas J. Urban*  
8/25/92

The EEB has completed a Phase IV review for Compound 1080 for use in the livestock protection collar (the only registered use). The following studies were found to be acceptable for reregistration and partially satisfy the requirement for reregistration:

1. 71-5(b) Simulated/Actual Terrestrial Field Study  
(MRID# 415149-01)
2. 71-5(b) Simulated/Actual Terrestrial Field Study  
(MRID# 419587-01)

Additional studies that need to be submitted to the Agency include:

1. 71-2(a) Acute Avian Dietary- Quail
2. 71-2(b) Acute avian Dietary- Duck
3. 72-1(a) Acute Fish Toxicity- Bluegill
4. 72-1(c) Acute Fish Toxicity- Rainbow
5. 72-2(a) Acute Aquatic Invertebrate Toxicity

Pending results of outstanding studies and further data relative to the monitoring being conducted on the collars use, the following studies are reserved:

1. 71-5(a) Simulated Field Study
2. 71-5(b) Actual Field Study

The data table and EEB reviews are attached.

DP Barcode : 0176340  
 PC Code No : 075003  
 EEB Out :  
 EEB In : 03.31.92

To: Product Manager  
 Special Review and Reregistration Division (H7508W)

From: Douglas J. Urban, Acting Chief  
 Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # : 075003-056228  
 Chemical Name : Sodium fluoroacetate  
 Type Product :  
 Product Name : Compound 1080  
 Company Name : USDA/APHIS  
 Purpose : List C, Phase II review

Action Code : 602 Date Due : 04.21.92  
 Reviewer : R. Felthousen

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

LN 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)	415149-01	Y	72-3(F)			123-2		
71-5(B)	415371-01	N	72-4(A)			124-1	418354-01	N/A
72-1(A)	419587-01	Y	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)  
 M=Unacceptable (Study was rejected)/Nonconcur

\* This study is not applicable as it does not apply to The Livestock Prot. Collar.

PHASE IV  
 DATA REQUIREMENTS FOR  
 ECOLOGICAL EFFECTS BRANCH

Date:  
 Case No:  
 Chemical No:

Data Requirement	Composition <sup>1</sup>	Use Pattern	Does EPA Have Data To Satisfy This Requirement? (Yes, No)	Bibliographic Citation	Must Additional Data Be Submitted under FIFRA 3(c)(2)(B)?
6 Basic Studies in Bold					
71-1(a) Acute Avian Oral, Quail Duck					
71-1(b) Acute Avian Oral, Quail Duck (TEP)					
71-2(a) Acute Avian Diet, Quail	<b>TGAI</b>	C	NO		YES
71-2(b) Acute Avian Diet, Duck	<b>TGAI</b>	C	NO		YES
71-3 Wild Mammal Toxicity					
71-4(a) Avian Reproduction Quail					
71-4(b) Avian Reproduction Duck					
71-5(a) Simulated Terrestrial Field Study	<b>TGAI</b>	C	NO		RESERVED
71-5(b) Actual Terrestrial Field Study	<b>TGAI</b>	C	NO (PARTIAL)	{ 415149-01 } { 419587-01 }	RESERVED
72-1(a) Acute Fish Toxicity Bluegill	<b>TGAI</b>	C	NO		YES
72-1(b) Acute Fish Toxicity Bluegill (TEP)					
72-1(c) Acute Fish Toxicity Rainbow Trout	<b>TGAI</b>	C	NO		YES
72-1(d) Acute Fish Toxicity Rainbow Trout (TEP)					
72-2(a) Acute Aquatic Invertebrate Toxicity	<b>TGAI</b>	C	NO		YES
72-2(b) Acute Aquatic Invertebrate Toxicity (TEP)					
72-3(a) Acute Estu/Mari Tox Fish					
72-3(b) Acute Estu/Mari Tox Mollusk					
72-3(c) Acute Estu/Mari Tox Shrimp					

<sup>1</sup>In Bibliographic Citation column indicates study may be upgradeable.

Data Requirement	Composition <sup>1</sup>	Use Pattern	Does EPA Have Data To Satisfy This Requirement? (Yes, No)	Bibliographic Citation	Missing Functional Data Be Submitted under FIFRA 3(c)(2)(B)?
72-3(d) Acute Estu/Mari Tox Fish (TEP)					
72-3(e) Acute Estu/Mari Tox Mollusk (TEP)					
72-3(f) Acute Estu/Mari Tox Shrimp (TEP)					
72-4(a) Early Life-Stage Fish					
72-4(b) Life-Cycle Aquatic Invertebrate					
72-5 Life-Cycle Fish					
72-6 Aquatic Org. Accumulation					
72-7(a) Simulated Aquatic Field Study					
72-7(b) Actual Aquatic Field Study					
122-1(a) Sood Germ./Sooding Emorg.					
122-1(b) Vegetative Vigor					
122-2 Aquatic Plant Growth					
123-1(a) Sood Germ./Sooding Emorg.					
123-1(b) Vegetative Vigor					
123-2 Aquatic Plant Growth					
124-1 Terrestrial Field					
124-2 Aquatic Field					
141-1 Honey Bee Acute Contact					
141-2 Honey Bee Residue on Foliage					
141-5 Field Test for Pollinators					

\*In Bibliographic Citation column indicators study may be upgradable.

FOOTNOTES:

1. Composition: TGA1= Technical grade of the active ingredient; PA111A= Pure active ingredient, undiluted; TEP= Typical end-use product.

1. Composition: TGA1 = Technical grade of the active ingredient; PAIRA = Pure active ingredient, radiolabeled; TEP = Typical end-use product

2. Use Patterns: A = Terrestrial Food Crop; B = Terrestrial Non-Food Crop; C = Terrestrial Non-Food Crop; D = Aquatic Food Crop; E = Aquatic Non-Food Outdoor; F = Aquatic Non-Food Industrial; G = Aquatic Non-Food Residential; H = Greenhouse Food Crop; I = Greenhouse Non-Food Crop; J = Forestry; K = Outdoor Residential; L = Indoor Food; M = Indoor Non-Food; N = Indoor Medical; O = Indoor Residential; Z = Use Group for Site 00000

3. The registrant has requested a waiver for all ecological effects data requirements. The data is insufficient, and due to the likelihood of exposure to non target avian species, EEB can not concede to all of these waivers, therefore, 71-1(e), 72-2(a) and 72-2(b) are required at this time.

~~A:~~ Due to the limited exposure to aquatic species, EEB is agreeing to the waiver request at this time, therefore, these tests are not required.