

US EPA ARCHIVE DOCUMENT

191305  
RECORD NO.

112701  
SHAUGHNESSEY NO

REVIEW NO.

EEB REVIEW

DATE: IN 3-12-87 OUT 11-2-87

FILE OR REG. NO. 10182-Q

PETITION OR EXP. NO. \_\_\_\_\_

DATE OF SUBMISSION 2-20-87

DATE RECEIVED BY HED 3-11-87

RD REQUESTED COMPLETION DATE 3-25-87

EEB ESTIMATED COMPLETION DATE 3-25-87

RD ACTION CODE/TYPE OF REVIEW 405

TYPE PRODUCT(S) Rodenticide

DATA ACCESSION NO(S) \_\_\_\_\_

PRODUCT MANAGER, NO. W. Miller (16)

PRODUCT NAME(S) Talon Weather Blok

COMPANY NAME ICI Americas, Inc

SUBMISSION PURPOSE Submission of 6(a)(2) (adverse effects)  
data concerning secondary poisoning  
incident with Talon Weather bloks used  
in Denver Zoo

SHAUGHNESSEY NO. CHEMICAL % A.I.

112701 Brodifacoum

NOV 2 1987

MEMORANDUM

SUBJECT: Receipt of Adverse Effects Information on Brodifacoum

FROM: Daniel Rieder, Wildlife Biologist  
Ecological Effects Branch  
Hazard Evaluation Division

THRU: Norman J. Cook, Head, Section 2  
Ecological Effects Branch  
Hazard Evaluation Division

THRU: Henry T. Craven, Acting Chief,  
Ecological Effects Branch  
Hazard Evaluation Division

TO: William Miller, (PM 16)  
Insecticides/Rodenticides Branch  
Registration Division

The EEB acknowledges receipt of the incident reported by ICI Americas, Inc. The information will become part of the Brodifacoum database and will be incorporated into future risk assessments. The EEB considers this to be further evidence that secondary poisoning is possible if Brodifacoum is ingested by a target species which is, in turn, eaten by a scavenger or predator.

CONCURRENCES

SYMBOL	B-769c	TS-769					
SURNAME	Rieder	Vaughan					
DATE	11-2-87	11-2-87					

191305



ICI Americas Inc.

Agricultural  
Chemicals  
Division

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

February 20, 1987

Mr. William H. Miller  
Product Management Team (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)  
U.S. Environmental Protection Agency  
401 M Street SW  
Washington, DC 20460

Dear Mr. Miller:

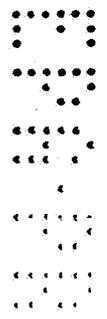
RE: TALON® WEATHER BLOK®

On January 12, 1987, ICI Americas received a Hotline call regarding a possible brodifacoum poisoning incident at the Denver Zoo. As a follow-up we contacted Dr. David Kenny at the Denver Zoo on January 23, 1987. He said he had lost ten birds from the exhibit since last November and that this coincided with the use of TALON WEATHER BLOK in mouse bait stations throughout much of the zoo. There had been a massive die-off of mice, so he suspected secondary poisoning.

The birds consisted of several species and were mostly carnivorous. Autopsy results were consistent with anticoagulant poisoning. Liver residues were conducted by the Denver Federal Center and indicated about 0.5 to 1.5 ppm. Examples were 0.8 ppm for a plover, 0.5 for a sissa, 1.5 to 1.6 ppm for Franklin's gulls, and 1.6 ppm for a laughing gull.

ICI pointed out to Dr. Kenny that these residue levels were quite high to be resulting from secondary accumulation. He said he would not expect the meat-eating birds to be attracted to the block directly. However, he did note that a keeper had reported seeing a mouse carrying a piece of the block from a station into its burrow within one of the bird enclosures.

We reminded Dr. Kenny that our label notes the product is toxic to wildlife and can pose a secondary hazard to birds of prey. ICI views this incident as the result of misuse of our product.



ICI is submitting the details of this incident to EPA as evidence of our efforts to ensure proper and safe use of our products. We are committed to preventing the occurrence of such unfortunate events in the future.

Sincerely,



Diane L. Ierley  
Pesticide Regulatory Specialist

DLI:ehl  
G4/022087EHL02  
File B.6