

5-24-90

IRB BRANCH REVIEW - TSS

Record Number(s)

262126

IN 4/3/90 CUT 5/24/90

EFFICACY

FILE OR REG. NO. 35975-4

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED 3/30/90

DATE OF SUBMISSION 3/21/90

DATE SUBMISSION ACCEPTED 4/3/90

TYPE PRODUCTS(S): I, D, H, F, N, Rx S _____

DATA ACCESSION NO(S). none

PRODUCT MGR. NO. 16

PRODUCT NAME(S) SODIUM FLUOROACETATE (COMPOUND 1080) IN LIVESTOCK PROTECTION COLLAR

COMPANY NAME Montana Department of Livestock

SUBMISSION PURPOSE Provide "monitoring report"

CHEMICAL & FORMULATION 1.04% Sodium Fluoroacetate solution in Livestock Protection
Collar

1/2

Efficacy Review: SODIUM FLUOROACETATE (COMPOUND 1080) LIVESTOCK PROTECTION COLLAR,
35975-4
Montana Department of Livestock (MDL)
Helena, MT 59620

200.0 INTRODUCTION

200.1 Uses

A 1.04% Sodium Monofluoroacetate (Compound 1080) solution in a two-pouched rubber vessel which is attached to Velcro or elastic bands which hold the pouches in place in the throat regions of sheep and goats subject to predatory attacks by coyotes. For use only in the State of Montana.

200.2 Background Information

See efficacy reviews of 9/30/86, 4/21/87, 5/21/87, 7/12/89, and 10/23/89, along with other information in product jacket. The current submission consists of a report of collar use in Montana in 1988 and 1989.

200.0 DATA SUMMARY

The two-page report contains the following numerical information:

<u>ITEM</u>	<u>1988</u>	<u>1989</u>
Numbers of Licensed Applicators as of 12/31/89 (2 Commercial, 15 Private, 9 Government)		26
Numbers of Collars Bought	45	90
Numbers of Applicators Buying Collars	6	4
Numbers of Collar-Use Days	1185	1110
Mean Collar-Use Days ("collar-days/no. collars in use)	26	41
Collars Lost in Field	2	0
Time of Use Until Collars (and sheep) Were Lost	< 1 wk.	—
Collars Ruptured in Field (probably by coyotes)	3	0
Time of Use Until Collars Were Ruptured	< 1 wk.	—
Collar Victim Coyotes Found	1	0
Nontarget Animals Found Dead	0	0

These data indicate that there has been very little use of collars in Montana and that there has been very little success with this approach for killing coyotes that prey upon livestock. MDL claims that predation was light in the state in 1989 and that other control approaches successfully removed coyotes "before they had an opportunity to attack the target flocks.

202.0 CONCLUSIONS

How many inspections of collar users' facilities were conducted in 1988 and 1989? Describe all violations detected and all actions taken as a result.

William W. Jacobs
Principal Specialist
Insecticide-Rodenticide Branch
May 24, 1990

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