EEE BRANCH REVIEW

DATE: IN OUT IN	00T IN 3-3 OUT 7-30					
FISH & WILDLIFE ENVIRO	MENTAL CHEMISTRY EFFICACY					
FILE OR REG. NO. 2	596-AG					
PETITION OR EXP. PERMIT NO.						
DATE DIV. RECEIVED 2	-20-76					
DATE OF SUBMISSION						
DATE SUBMISSION ACCEPTED						
TYPE PRODUCT(S): (I) D, H, F, N, R,	S					
PRODUCT MGR. NO	15					
PRODUCT NAME(S) Hartz 2 in 1 Tick & Flea Collar for Cats						
COMPANY NAME Hartz Mountain						
SUBMISSION PURPOSE New						
CHEMICAL S. FORMITATION COLOR TO THE						

200.0 Introduction

This is a review of a new 14% Rabon Cat Collar. The previously registered rabon collars were only 10% active ingredient.

200.1 Uses - See Label

Flea and Tick Claims are for 4 months efficacy. This is an extension of 1 month for the flea claims and 2 months for tick claims. The claims for activity after wetting are similar.

01.0 Data Summary

See the submission for 2596-RE.

A. FLEA DATA SUMMARY - DOGS

STUDY SITE	DOGS/REP	.DAYS CONTROL	COMMENT
Gower FL	12	~??? [90] ??? <i>(</i>	Not averaged,
Turlock CA	- 6 - 12	155 105 — 133	Controls too errati Good population Low control pop
Sharp TX Mounce PA Eci VA	12	105 – 135 126 – 185 – 192 –	Controls break Definite limit
			& break

B. I. BROWN DOG TICK DATA SUMMARY

2 JUDI	DOGS/REP DATS CONTROL
Gower	12. 50 High pop. = Zodi
Turlock CA	6 155
	大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大
Sharp	- 12 70 98 Pop. Break 2 Zodi
Mounce PA	2012
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TECHNOLOGY VA	
TOTAL ANIMALS:	52
THE DAVE OF CONTROL	107 3110

B: 2. Efficacy Delay - Days

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44.42	20 mm	A	Marie The		
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1. Cat Flea Data

Only one test submitted for fleas on cats. 100% control of a good infestation (40=50/cat) achieved through 11 weeks. 95% control of an even higher (50=60/cat) infestation pressure achieved through 17 weeks. Good-flea activity still evident at 20 weeks collar age: 15 cats in each group. The 13.7% Rabon collar was > to the Zodiac collar registered for 5 month fleas control for 17-20 weeks.

2 Cat Tick Data

At weeks 3 and 7, cats were challenged with 75 brown dog ticks. Apparently many were killed, but it appears that cats quickly learned to groom themselves and remove attached ticks.

D. Other Data

Additional data was submitted on wetness claims and on the Rocky Mountain Spotted Fever Lick, D. anderson The wetness data indicate that this kind (10%) of rabon collar blooms equally well during and after immersion in water.

202.2

Label claims for 4 month control are acceptable. The label must bear a statement, however, that informs the user that efficacy may not be apparent for tecks for several days after collar attachment.

Phil Hutton, Entomologist (N) Efficacy Section, EEEB AA

