

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

DATE: IN 3-11-93 OUT 11-9-93

FILE OR REG. NO. 2382-104

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

DATE DIV. RECEIVED January 29, 1993

DATE OF SUBMISSION December 23, 1992

DATE SUBMISSION ACCEPTED \_\_\_\_\_

TYPE PRODUCT(S): (I,)D, H, F, N, R, S \_\_\_\_\_

DATA ACCESSION NO(S). 426773-01;D189078;S436574;Case#047813;AC:305

PRODUCT MGR. NO. 19-Edwards/Johnson

PRODUCT NAME(S) Preventic Tick Collar for Dogs

COMPANY NAME VIRBAC, Incorporated

SUBMISSION PURPOSE Provide performance data demonstrating need for  
reducing 4-month effectiveness claim to 3 months  
based on release rate data for new plasticizer.

CHEMICAL & FORMULATION Amitraz: N'-(2,4-dimethylphenyl)-N-[[2,4-  
dimethylphenyl)imino]methyl]-N-methylmethanimidamide 9.0%  
(0.97 oz. net weight, impregnated material)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession  
(MRID) Number 426773-01, having been taken from a standard field  
test simulating actual use and meeting the requirements of § 95-30  
subpart (b)(11)1.-10. on pp. 280-84 and the standard of § 95-9(b)  
subpart (2)(i) on p. 264 of the Product Performance Guidelines, are  
adequate to support a claim for killing brown dog tick, Rhipiceph-  
alus sanguineus, and American dog tick, Dermacentor variabilis, for  
up to 3 months rather than the present label claim of 4 months when  
the subject collar is worn continuously by dogs up to 25 inches in  
neck size. This reduced claim was necessitated by the release rate  
characteristics of the plasticizer which was substituted for the  
former plasticizer which was on List A of Inert Ingredients of Con-  
cern previously issued by the Agency. It has been determined that  
the new plasticizer system releases amitraz at a rate about 25%  
faster than the former plasticizer, resulting in earlier depletion  
of the active ingredient level required for satisfactory tick kill.

RL Vern L. McFarland, IRB