

EFFICACY REVIEW

DATE: IN 7-11-91 OUT 11-21-91

FILE OR REG. NO. 4816-696

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED April 18, 1991

DATE OF SUBMISSION April 16, 1991

DATE SUBMISSION ACCEPTED _____

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

DATA ACCESSION NO(S). 418517-07, 418517-08, 418517-09; D166155; S398907; Case#017625; Action Code: 305

PRODUCT MGR. NO. 13-LaRocca/Moats

PRODUCT NAME(S) Permanone® General Purpose Aqueous Insecticide

COMPANY NAME Fairfield American Corporation

SUBMISSION PURPOSE Provide performance data in support of claims for control of deer ticks by direct spray and residual outdoor application to vegetation.

CHEMICAL & FORMULATION Permethrin: (3-phenoxyphenyl)methyl(±)-cis,trans-3(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate * 0.50%

*Cis/trans isomer ratio:

minimum 35% (±) cis,

maximum 65% (±) trans (8.31 lbs. per gallon aqueous stable emulsion, ready-to-use)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 418517-07, having been obtained from laboratory testing according to a protocol which meets the requirements for Good Laboratory Practice and of § 95-11(b)(3)-(7) on p. 268 and the standard of § 95-11(c)(2)(i)(A)(a) on p. 270 of the Product Performance Guidelines, are adequate to support a claim for control of deer ticks and other ticks which may carry Lyme disease for the subject product when applied as a contact spray at a rate of ~ 19 mg a.i. per square foot according to label directions. The data presented in EPA MRID No. 418517-08, having been obtained from laboratory testing according to a protocol which meets the requirements for Good Laboratory Practice and of § 95-11(b)(3)-(7) on p. 268 and the standard of § 95-11(c)(2)(i)(A)(a) on p. 270 of the Product Performance Guidelines, are adequate to support a claim for residual control of deer ticks and other ticks which may carry Lyme disease, for up to 2 weeks for the subject product when applied to turfgrass and indoor/outdoor carpet at a rate of ~ 19 mg a.i. per square foot according to label directions. RL Vern L. McFarland, IRB