

US EPA ARCHIVE DOCUMENT

3-19-97

EFFICACY REVIEW

DATE: IN 1-30-97 OUT 3-19-97

FILE OR REG. NO. 37425-39

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

DATE DIV. RECEIVED January 27, 1997

DATE OF SUBMISSION January 24, 1997

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

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

DATA ACCESSION NO(S) . 442054-01;D232952;S517790;Case#040783;AC:306

PRODUCT MGR. NO. 13-LaRocca/DeLuise

PRODUCT NAME(S) Durasect Long-Acting Livestock Pour-On

COMPANY NAME Pfizer, Incorporated

SUBMISSION PURPOSE Provide performance data in support of claims of repellency of house, face and stable flies and prevention of biting & feeding on blood of horses.

CHEMICAL & FORMULATION Permethrin: (3-phenoxyphenyl)methyl(+)cis/-trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate\*  
\*Cis/trans isomer ratio: \_\_\_\_\_ 1.0%  
Minimum 35%(+) cis, (ready-to-use liquid of unknown Sp. Gr.)  
Maximum 65%(+) trans

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 442054-01, having been obtained from a standard field test meeting the requirements of § 95-8(a)(1)-(5)(vi) and (viii) on pp. 255-6 and (7) and (8) on p. 258, and the standard of § 95-8(b), subpart (2)(iii) on p. 261 of the Product Performance Guidelines, are adequate to support the claims for killing stable flies, face flies and house flies for up to 2 weeks on horses when applied as a pour-on according to label directions, and prevention of stable flies from taking a blood meal on horses for up to 7 days when applied according to the same directions, or alternatively as a spray by pump application to run off to those areas where feeding is most likely to occur. While there are at present no directions on the product label for application as a spray, the data demonstrate that this method of application is equal to use as a pour-on in protecting from blood feeding by stable flies, but is not equal to a pour-on in repellency of house flies, face flies and stable flies.

RL Vern L. McFarland, IRB