

US EPA ARCHIVE DOCUMENT

**EFFICACY STUDY REVIEW**

by Kevin J. Sweeney, Entomologist - IB

*Kevin J. Sweeney*  
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To: William Sproat

Date: June 27, 2004

EPA Reg. No. or File Symbol: 1021-1667

Product Name: Evercide House and Garden Spray 2664

Registrant: MGK

PM: George LaRocca, PM 13

Dec # 339314

DP: 298912

Chemical: 0.217% permethrin; tetramethrin 0.2% Type: (I) Insecticide

OPPTS Guidelines: 810.35 and 810.34

GLP?: No.

Sites: outdoor residential

Pests: many residential pests but this amendment is for adult mosquitoes

Formulation: RTU

Request: review data submitted in support of pests already on the label.

Studies Submitted:

MRID 46079801 Evercide House and Garden Spray 2664 Product Performance/Efficacy Reports

This study consisted of seven efficacy reports against a variety of pests. The active ingredient applied in these tests was 0.2% permethrin and greater. However, no product specific data are included. None of the tests included permethrin and tetramethrin in combination. These data showed that 0.2% permethrin (and greater), when applied at 1 gallon/1000 square feet, kills cat fleas, brown dog ticks, bald-faced hornets, bedbugs, and German cockroaches. The tested

formulation performed poorly against the Oriental and American cockroaches. MGK did not identify which of the formulations was the equivalent of the subject product except when it was specifically identified as F-2664.

Entomologist's Recommendations:

1. The submitted studies are rated supplemental with regard to the subject product in support of the following pests: cat fleas, brown dog ticks, German cockroaches, bald-faced hornets, and bedbugs. The residual success of the tested formulations varied but residual success can be product specific, so these data are rated supplemental.

2. The study conducted with the subject product showed that it performed poorly against American and Oriental cockroaches. Other data should be submitted or cited or these pests should be removed from the label.