

Study 72f

Laboratory Summary

The objective of the experiment was to determine which treated substrates would provide control of bed bugs 3 months after treatment.

Two susceptible strains of bed bugs were fed human blood weekly through a membrane. Cotton quilt fabric, polyester fabric, vinyl baseboard, unpainted wood, painted wood, and painted drywall were the 6 test substrates treated with Aprehend[®] Ready to use. The substrates were treated with a 2 inch-wide band of Aprehend per the label.

Populations of 10 adult bed bugs were exposed to the treated substrates for 15 minutes. The substrates were aged: 1, 32, 35, 70 and 97 days. Mortality was read through 14 days post exposure.

The type of substrate was found to determine the residual life of the product. Quilt fabric, polyester fabric and vinyl baseboard did not provide 3 month control. Unpainted wood, painted wood and painted drywall did provide control for 3 months following one application of Aprehend.