

## Study 59b

### Laboratory Summary

A laboratory study was conducted to evaluate Alpine® Pressurized Insecticide against bed bugs nymphs (4-5 instar) from the pyrethroid resistant Indy strain of bed bugs. Three experiments were performed.

Direct spray of bed bugs on filter paper in petri dishes was completed and the bed bugs moved to clean dishes following treatment. Mortality read at days: 1,3,5,7,10 and 14. Mortality obtained was 93% at day 7 and 100% at day 10.

Cardboard wrapped in white cotton fabric was treated and allowed to dry for 1 day. The test bed bugs were then confined to the treated fabric for 5 minutes and then moved to clean dishes. Mortality read as listed above. Mortality obtained was 92% at day 7 and 95% at day 14.

Bed bug eggs were directly treated and mortality recorded as listed above. Mortality obtained was 91% at day 14.