



March 31, 2010

Leaf Defier® an efficient method of mosquito control in house roof gutters. Roof gutters become clogged with leaves and other debris holding water that becomes a source of mosquito development. The use of Leaf Defier® a multipolymer insert in the gutter will allow water to flow and prevent the accumulation of leaves that would cause a blockage.

A simple laboratory test was conducted, using two section of gutter. Gutter A was fitted with the Leaf Defier® insert. Gutter B was untreated. Approximately 30 eggs of *Aedes aegypti* were sprinkled on both gutters. Water was poured on the surface of both gutters. After 14 days the gutters were examined. An end section of the Leaf Defier® insert in Gutter A was cut away to determine if any larvae or pupae were present. There were none. The water in Gutter B was examined and larvae and pupae were present.

A field test was conducted somewhat similar to the laboratory test, except no eggs were placed on or in the gutters. The gutters were placed on a table outside, in a shaded area. Both gutters were exposed to rainfall. After 5 weeks Gutter A was examined and no larvae or pupae were present in the water trapped below the Leaf Defier® insert. The rainfall that accumulated in Gutter B had live larvae and pupae of *Aedes albopictus*. The use of the Leaf Defier® insert in the roof gutter prevented development of mosquitoes.

A handwritten signature in black ink, appearing to read "Eugene J. Gerberg".

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