

Effects of a Commercial Neem (*Azadirachta indica*) Extract on *Streblote panda* Larvae

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Biological effects of a commercial formulation of azadirachtin, Align™, were assessed on *Streblote panda* Hübner [1820] (Lasiocampidae) first instars by means of choice and no-choice bioassays. Survival, development, and food consumption were recorded. The product tested did not show clear antifeedant effects, but produced dose-dependent larval mortality. All treatments resulted in significant inhibition of growth, presumably through endocrine regulatory effects. At higher doses assayed the product appears to have direct toxic effects. Our results suggest that Align™ may be used in IPM programs for *S. panda* and should be evaluated for efficacy under field conditions.

KEY WORDS: Neem; *Streblote panda*; developmental effects; toxicity.

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