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Page 1 (Records 1 -- 1)

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[1]

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Title: Evaluation of the IGRs Alsystin and Pyriproxyfen as Well as the Plant Extract Jojoba Oil against the Mosquito Aedes aegypti
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Abstract: The biological activity of two insect growth regulators alsystin and pyriproxyfen as well as the plant extract jojoba oil on larval stages and pupae until adult emergence of Aedes aegypti was evaluated. According to IC50 values obtained (concentration which to inhibit the emergence of 50% of mosquito adults), alsystin (0.00048ppm) proved to be highly effective against A. aegypti than pyriproxyfen (0.005 ppm) and jojoba oil (85 ppm). On the other hand, larval treatments with the present compounds led to a decrease in egg production and hatchability of eggs produced by mosquito adults which survived from larval treatments.
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