

Evaluation of Efficacy of Natular - Bill Jany

- A. Area of study
 - 1. Saltwater habitat
 - 2. *Oc vigilax*
 - a) Nuisance species
 - b) Important vector
 - 3. Gold Coast in Australia
- B. Study
 - 1. Formulations tested
 - a) Natular sand formulation
 - (1) Mixed at program site
 - (a) Natular 20EC
 - (b) AI - spinosad A & D
 - b) EC
 - c) Granular
 - 2. Mangrove forested area
 - 3. Method
 - a) 3rd instar larvae
 - b) Intertidal wetland
 - c) Nov 4-11, 2013
 - d) Followed a series of lunar high tides beginning Nov 4 and ending Nov 7
 - e) Application made Nov 8
 - (1) 23 discrete pools
 - (2) Sampled 24, 48, and 72 hours post application
 - 4. Results
 - a) Control was between 97.8% and 100%
 - b) Average control was ~99%
 - c) pH was critical
 - (1) Spinosad is more soluble at lower pH
 - (2) More AI available at low pH
 - (3) Rapid control