**2018 Annual Meeting Program/Project Poster Highlight**

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| **Name of Program** | Coconut rhinoceros beetle |
| **Name of Project** | Biological control of coconut rhinoceros beetle |
| **CES Unit** | Agriculture and Natural Resources |
| **Contact Person(s), Email & Phone** | Aubrey Moore, PhD  [aubreymoore@triton.uog.edu](mailto:aubreymoore@triton.uog.edu)  686-5664 |
| **WHAT need does your project address on Guam? (2 sentences)** | Guam is in the midst of an uncontrolled coconut rhinoceros beetle (CRB) outbreak triggered by abundant breeding sites left in the wake of Typhoon Dolphin which impacted the island in 2015.  The primary objective of my project is to establish effective biological control of CRB to prevent further mortality and damage to coconuts and other palms. |
| **HOW does your project address this need/what are the solutions?**  **(2-3 bullet points)** | * The only feasible tactic for island-wide control of CRB is implementation of effect biological control. * Unfortunately, beetles on Guam belong to a recently discovered biotype, CRB-G, which is resistant to all available isolates of an insect virus called OrNV which was previously a very effective biocontrol agent for CRB. * We are currently sampling CRB-G populations in Asia to discover an OrNV isolate which can be used to control CRB-G on Guam. |
| **Outcomes: What are the impacts as a result of your project?**  **(3 impacts only)** | * If history repeats, implementation of effective CRB-G biocontrol using OrNV will result in sustainable population suppression of CRB-G on Guam to acceptable levels * The current CRB outbreak will end. Palm mortality will end and damage will fall to low levels within a few moths. * The effective isolate of OrNV will be shared with other islands battling CRB-G. These are Papua New Guinea, Solomon Islands, Palau, Rota, and Oahu. |
| **What would you like your QR code to link to?** | http://cnas-re.uog.edu/crb/ |

***Please give to Rye by June 29, 2018: perezrc@triton.uog.edu***

**Video Story**

**(Biggest success in last five years, 250-300 words)**

*Script will be written from this description*

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***Please give to Tanisha by June 29, 2018: taflague@triton.uog.edu***