



# Twospotted spider mites

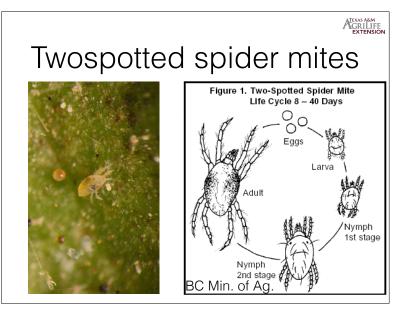
ATEXAS A&M GRILIFE EXTENSION



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Twospotted spider mites

Management | Prevention

- "Man-made" pest problem
- High Nitrogen = High Reproduction
- Perform best in hot, dry, and dusty conditions; wash off dust from plants periodically during dry season
- Some insecticides can kill predators of twospotted spider mites (i.e Sevin aka Carbaryl)
- Some insecticides can decrease plant natural defenses (i.e imidacloprid, thiamethoxam)



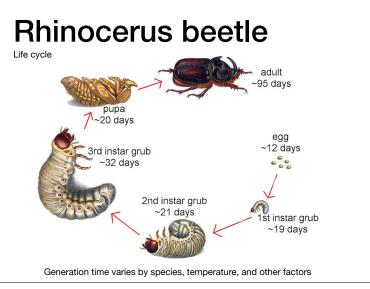
### **Rhinocerus beetle**

- Cause of mortality to coconut trees
- burrow at the base of the coconut tree and feed on the coconut hear root



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### **Rhinocerus beetle**

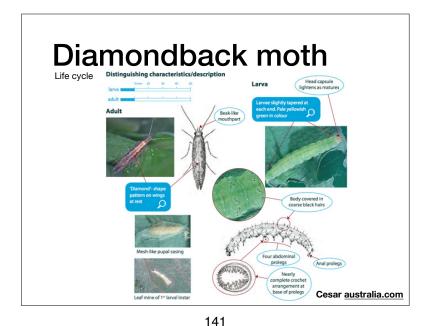


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# <section-header> Bargement | Prevent (Experimental) Mesh fine and durable enough to prevent beetle from burrowing into trunk. Mesh around perimeter; sufficient to prevent burrowing towards the trunk (~2 m radius) Bury the edges or staple down to prevent beetle from going underneath the mesh Wrap portion of mesh around the base of the trunk and tie tightly to prevent borer from moving in check periodically to ensure no damage to tree from the tie Similar strategy used for a root feeding beetle or itrus (Diaprepes root weevil)

### **Diamondback moth**







# **Diamondback moth**

Damage



### **Diamondback moth**

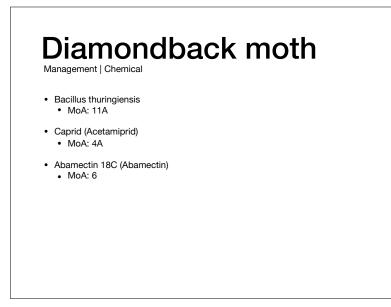
Monitoring | Phermone trap

• 25 lures = \$38.50 USD =~ GY\$8,017 • GY\$320/lure

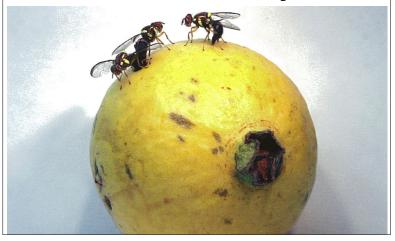
Only need 1 or maybe 2 lures for small plot; change at least annually

Sticky card and "delta" trap are more expensive than the lure - can make homemade sticky traps!





### Guava fruit fly



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### Guava fruit fly

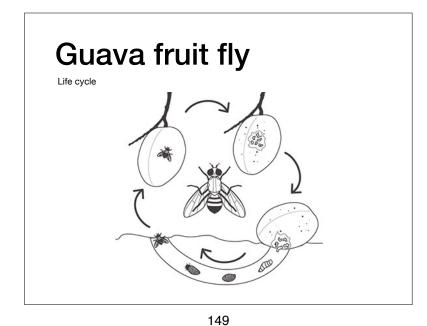
Symptoms



# Guava fruit fly

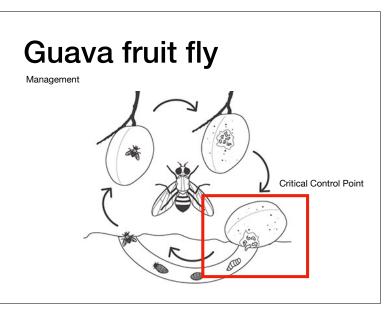
Symptoms

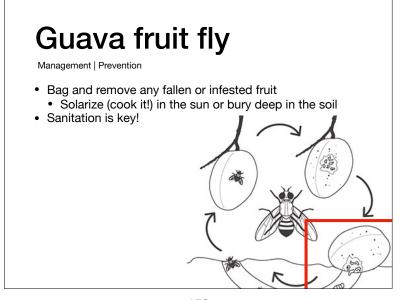












## Guava fruit fly

Management | Chemical control

Spinosad ideal (not currently available in Guyana?)

Mal-Shon

- MoA: 1B
- Broad-spectrum Organophosphate; may cause other pests to flare
- Spray when flies are out (based on monitoring); follow label directions on spray interval

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