

# BMSB Finds in Sacramento and Other True Bug Threats

## BMSB Workgroup Meeting

Dec. 3, 2013

Chuck Ingels

UC Cooperative Extension, Sacramento County

<http://cesacramento.ucanr.edu>

**University of California**  
Agriculture and Natural Resources

*Making a Difference  
for California*

# BMSB on Chinese Pistache



Baldo Villegas



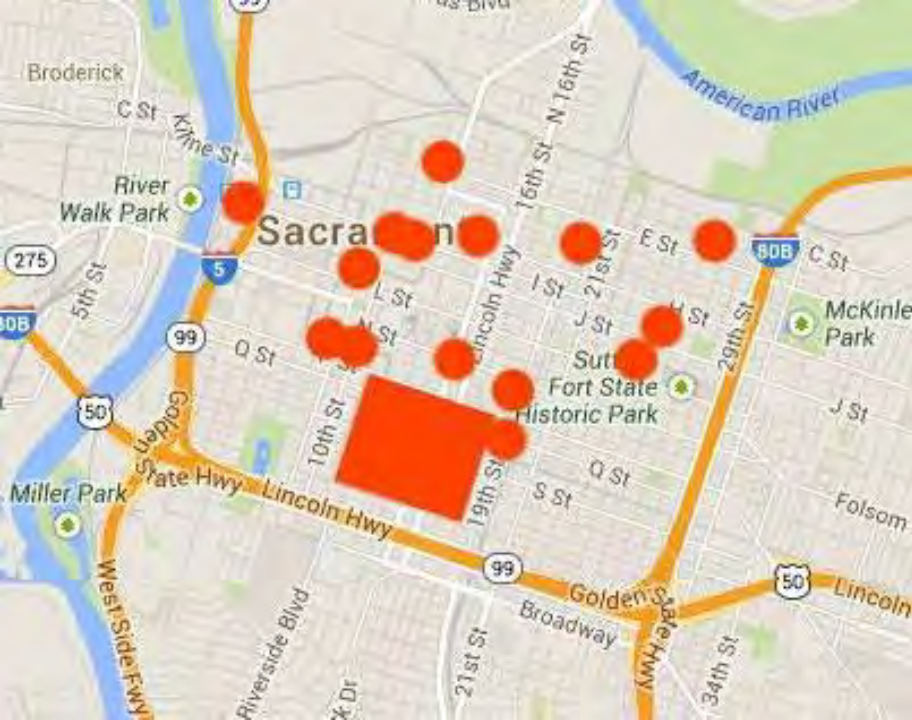
Baldo Villegas



Charlie Pickett



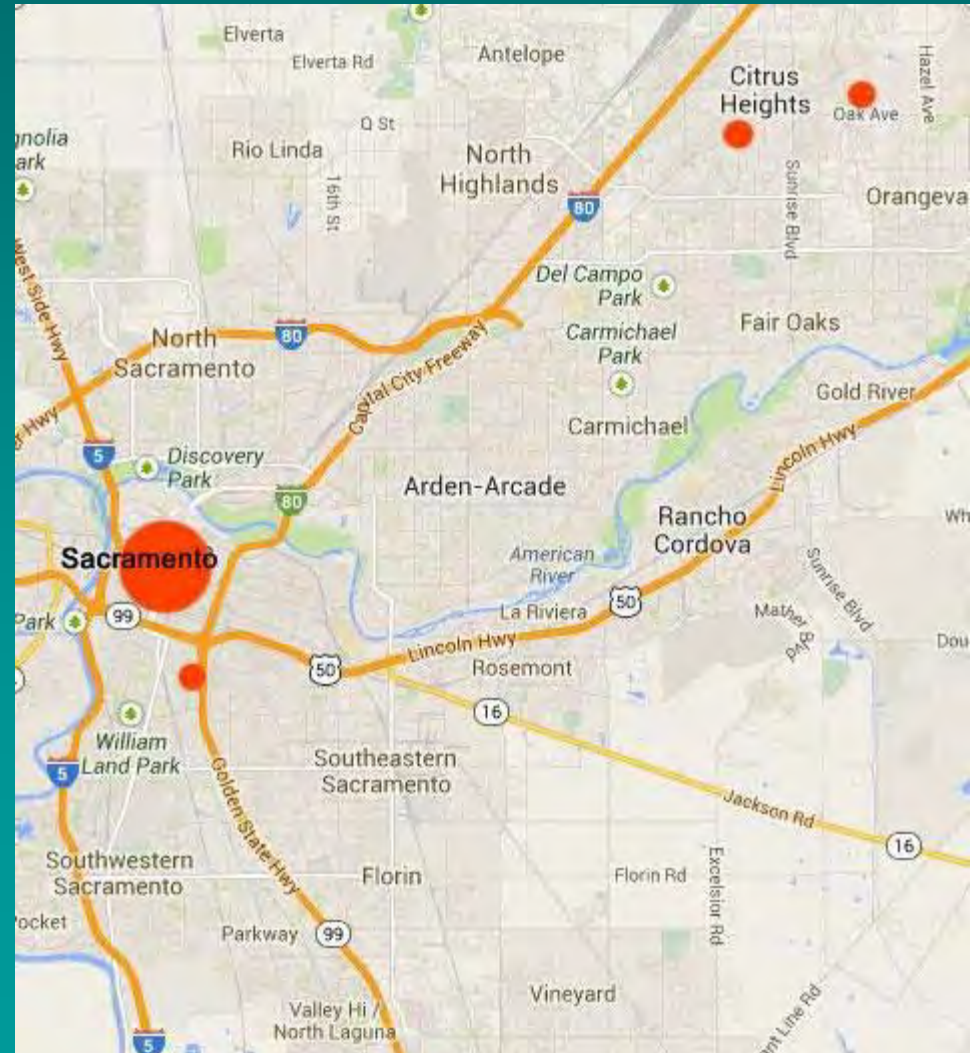
# BMSB Finds in Sacramento County



Oct. 15

Nov. 15

[cesacramento.ucanr.edu](http://cesacramento.ucanr.edu)





# Leaf-footed Bug

*Leptoglossus clypealis*

- Commercial pest of almonds & pistachios
- Huge problem in Sacramento gardens
  - » Rarely seen until 2013
  - » Tomatoes and pomegranates
- Fresno also



# Leaf-Footed Bug

*Leptoglossus clypealis*



Matt Quist



Kathy Keatley Garvey



# Leaf-Footed Bug *Leptoglossus clypealis*



Gail Pothour



Anita Clevenger



Ruth Ostroff

# Bagrada Bug

*Bagrada hilaris*



Female

Male

- AKA: Painted bug, painted stink bug, African stink bug
- Host plants: Brassicaceae, some ornamentals
- Also: Sorghum, corn, sudangrass, cucurbits, potato, cotton, okra, sugar cane, wheat, sunflower, green beans



# Bagrada Bug

*Bagrada hilaris*



Delbert Crawford



# Bagrada Bug Relative Size



On quarter

With convergent lady beetles  
 $\frac{1}{4}$ " or 6-8 mm

Photos courtesy of: *What's That Bug?*

# Aggregation



**Aggregation on senescent  
shortpod mustard**



**Aggregation on pepper**



# Bagrada Bug Spread



**Distribution in  
Africa**

**First found in L.A.  
County in 2008**



**Distribution in CA,  
Nov. 2013**

# Bagrada Bug Spread





