

Redbanded Stink Bug, *Piezodorus guildinii*, (Hemiptera: Heteroptera: Pentatomidae), Biology, Identification, and Pest History



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Common Pest of Soybeans in Mid-South Region



Green Stink bug



Southern Green Stink bug



Brown Stink bug



Spined Soldier bug

Redbanded and Red Shouldered Stink Bugs

Redbanded Stink Bug
Piezodorus guildinii

Red Shouldered Stink bug
Thyanta custator



Egg Identification



Photo By Joe Black

Nymph Identification



Adult Identification



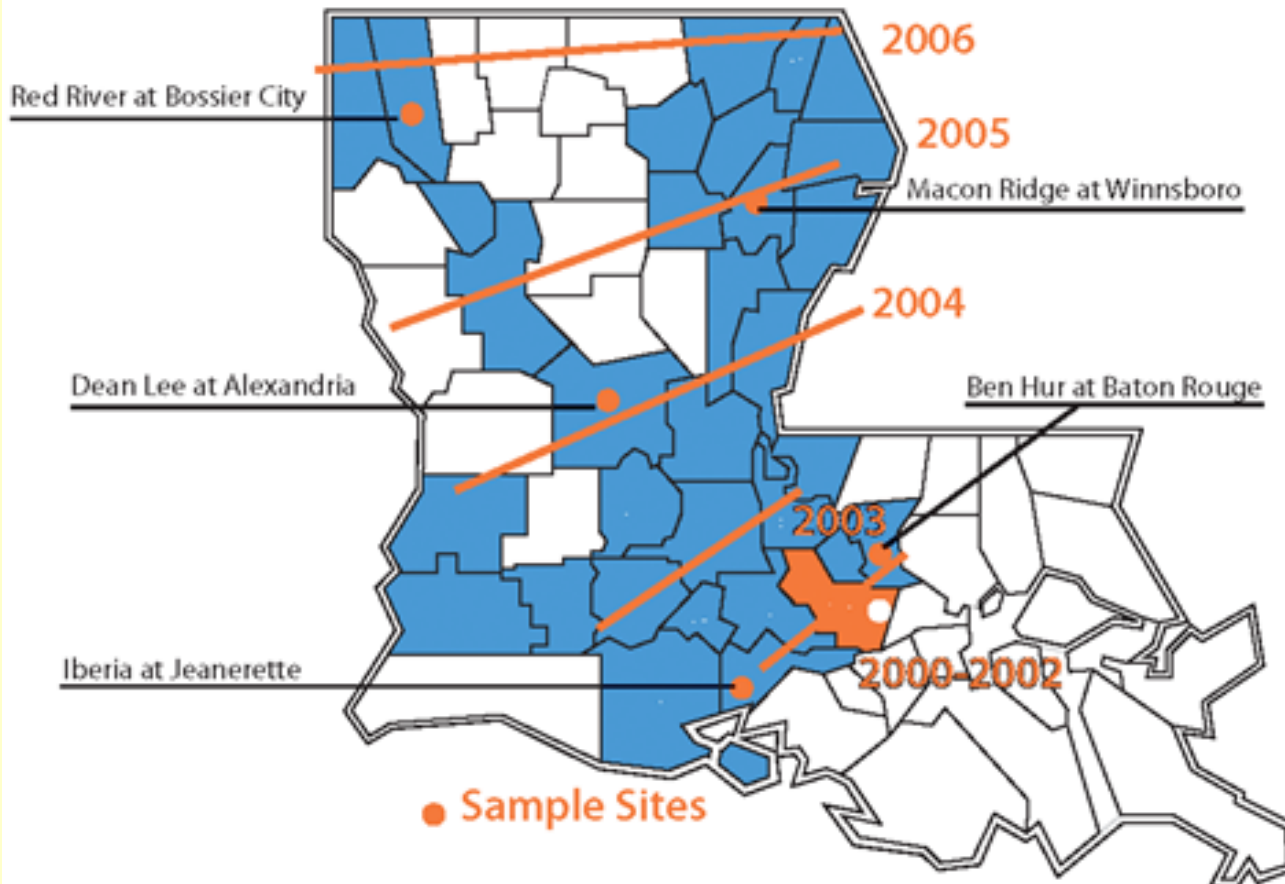
RBSB Distribution

- **First described on the island of St. Vincent (Stoner 1922)**
- **First in U.S. in the 1960's South Carolina, Florida, Georgia, and New Mexico**
- **First reported in LA in 2002**
- **Seldom found in soybeans in Brazil until the early 1970's**

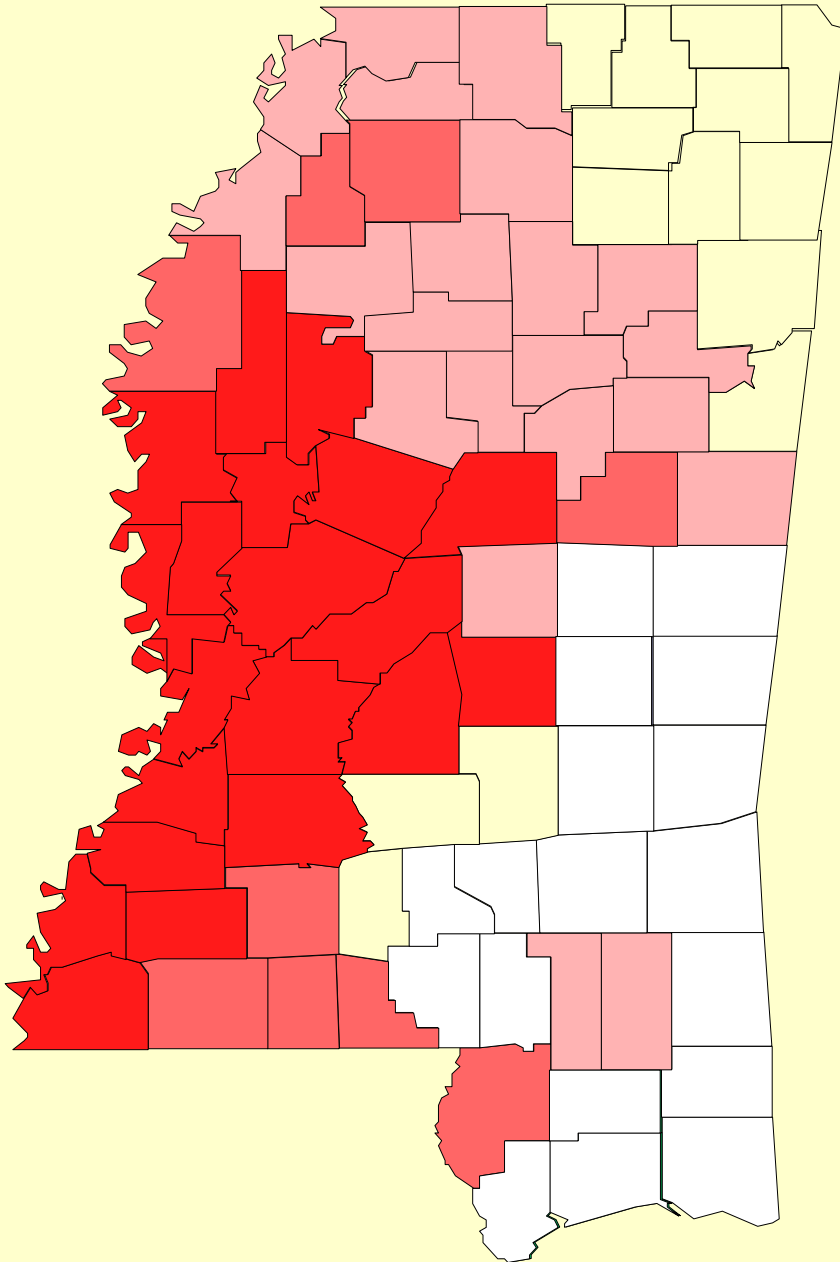


RBSB Distribution

Figure 1. The parishes in blue are Louisiana's principal soybean-producing parishes. The orange dots represent the research stations where test plots were planted. The lines represent the northern migration limits of redbanded stink bugs in Louisiana from 2000-2006. The orange parish is Iberville where the redbanded stink bug was first confirmed in Louisiana.



2009 Redbanded Stink Bug Distribution Map



No Information

None Reported

Low Numbers

Threshold Only

Greatly Exceeding Threshold

Host

- **Soybean**
- **Almost all Legumes**
 - **Crimson Clover**
 - **Partridge Pea**
 - **Coffee Weed**
- **Cotton?**



Why is the Stink Bug Special?



Because of Seed Damage Potential





Pic Courtesy of Blaine Viator

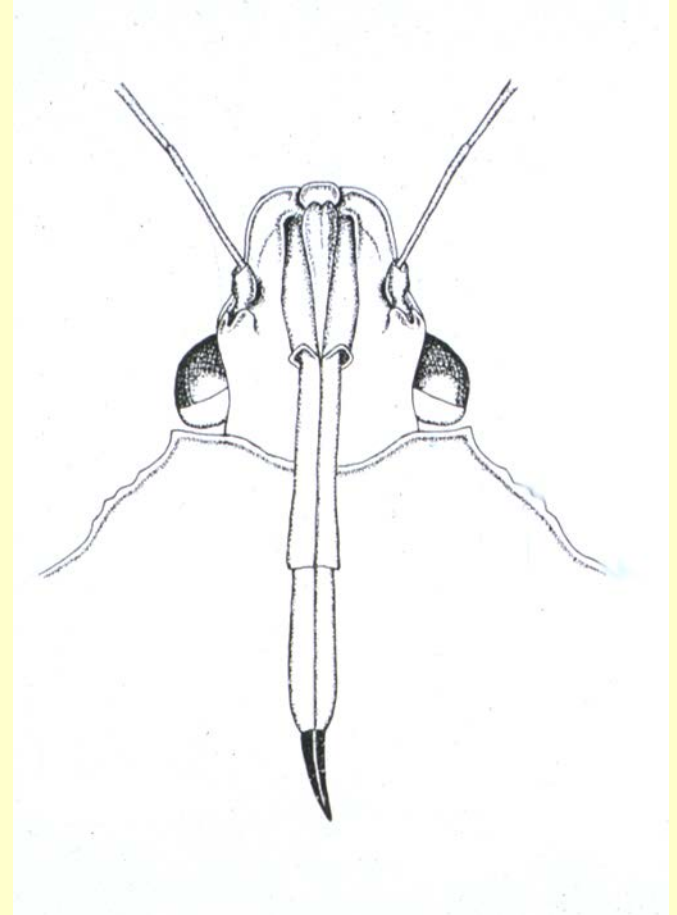
Redbanded vs. Other Species

- **No differences in feeding time compared to other species**
- **RBSB can and will feed more on mature seed**
- **Damage greater by RBSB compared to other species**



Mouth Parts of RBSB

- Mouth part actually smaller
- Enzymes associated with saliva much more deleterious than other stink bugs
- Probe deeper into seed compared to others



Traditional Stink Bugs Thresholds

- **Ground Cloth – 1 per 1' of row**
- **Sweep net - 9 per 25 sweeps**

Traditional Stink Bugs Termination

- **Double at R6 and terminate at R6.5 (7-10 days after R6)**

R6 = Squared off, Not just touching in upper 4 nodes



Redbanded Stink Bugs Thresholds

- Ground Cloth – 2 per 6' of row
- Sweep net - 4 per 25 sweeps

Redbanded Stink Bugs Termination

- 10 RBSB/25 Sweeps between R6.5 and R7
- Terminate at R7 (unless adverse rainfall)

R7 = 1 Brown pod
anywhere on plant



Tips for Management

- **PLANT EARLY**
- **Follow Extension Information (ditch bank surveys accurately predicted 2017 problems)**
- **THERE WILL BE EXCEPTIONS TO THE RULE!**



Questions

