Plant Bug Management – Reducing the Cost Using BMPs

R. D. Bagwell







MULTISTATE EVALUATION of Tarnished Plant Bug Sampling Methods in Blooming Cotton





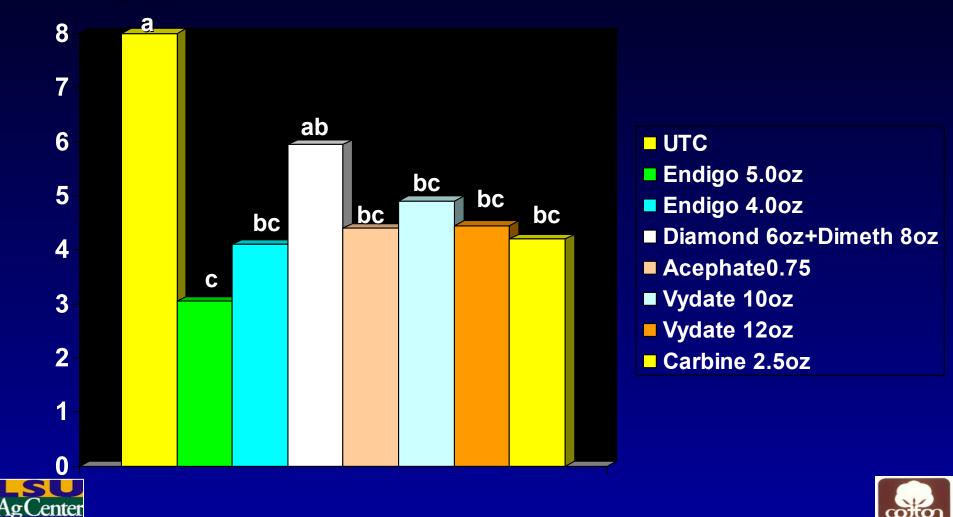
LSU AgCenter

Publication 2945

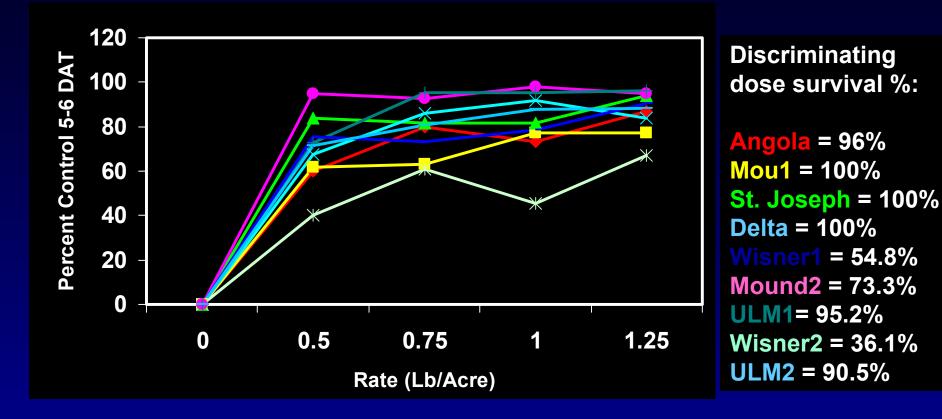
- **R. D. Bagwell LSU AgCenter**
- E. Burris LSU AgCenter
- A. Catchot MS State Univ.
- **D.** Cook LSU AgCenter
- J. Gore USDA ARS
- J. Green Univ. of AR
- F. Musser MS State Univ.
- J. Robbins MS State Univ.
- S. Stewart Univ. of TN
- G. Studebaker Univ. of AR

Catahoula I 2007 - # Nymphs Per 5 row ft. Test Average

Nymphs/5 ft



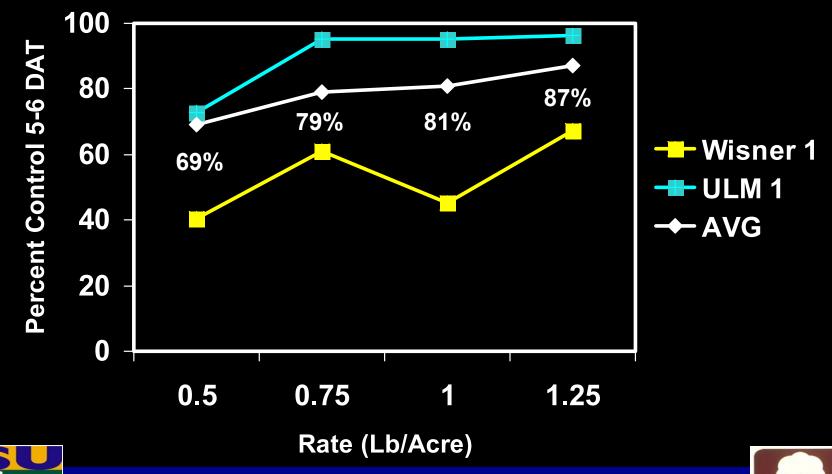
Field Efficacy and Resistance Monitoring for Acephate







Field Efficacy and Resistance Monitoring for Acephate





R. D. Bagwell, F. M. Musser, S. D. Stewart, R. Barbosa, A. L. Catchot, and G. M. Lorenz.

A Series of 15 Recommendations or Suggestions to Reduce Impact of Plant Bugs on Cotton.



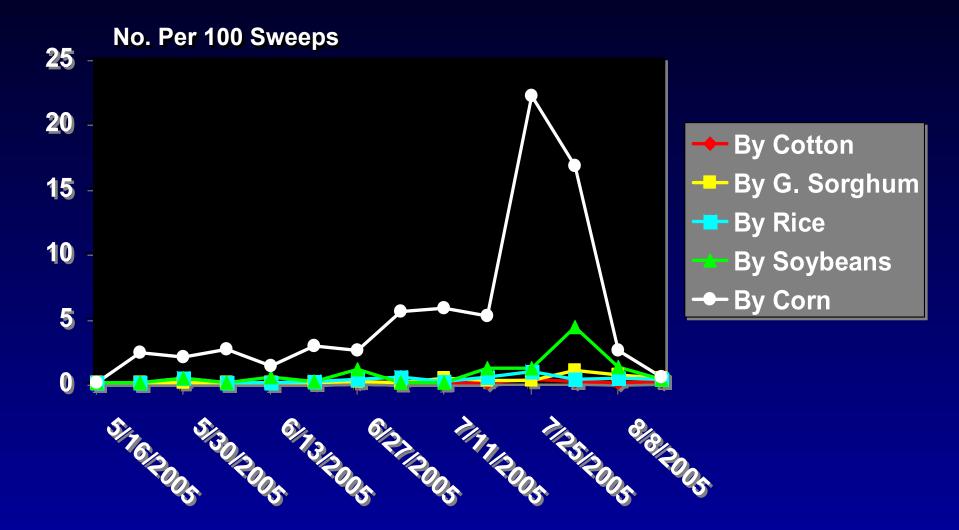


 Concentrate Cotton in Contiguous Blocks to Reduce Cotton Borders with Other Crops and Non-Crop Hosts.





Number of T. Plant Bugs in Cotton Adjacent to Various Crops



 Manage Vegetation Surrounding Fields to Promote Growth of Non-Host Plants, such as Bermuda grass.





• Avoid Planting within 50ft of Trees or any Other Obstacles that may Reduce Insecticide Coverage.





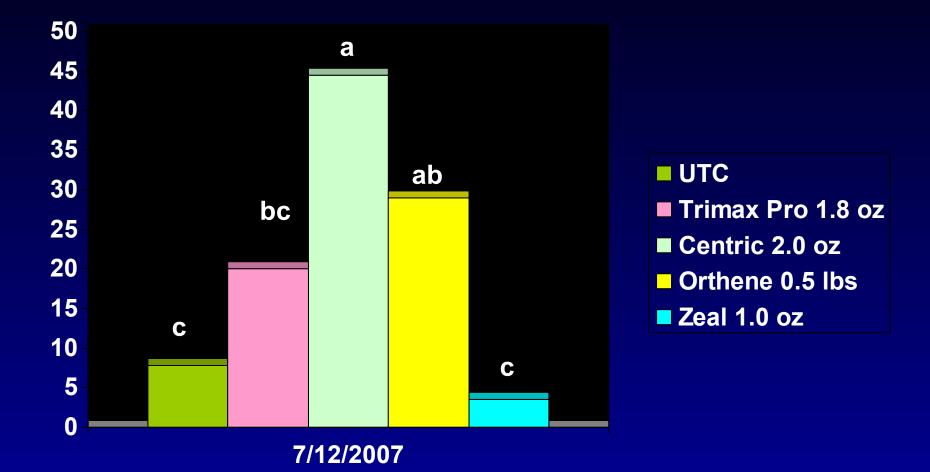
 Consider Border Sprays of Areas where Threat from High Plant Bug Densities is Greatest.





 Spray Only When Plant Bug Populations Exceed Recommended Treatment Thresholds.

Spider Mites Per Inch Sq. Louisiana 2007



21 days after final treatment

• Use Aircraft Equipped with GPS Guidance and Flow Rate Controller.





 Supply Enough Insecticide to Spray 120% of Total Acreage by Air or 110% by Ground.





Manage Treatment Expectation.

Your Attitude!





Thank You



