

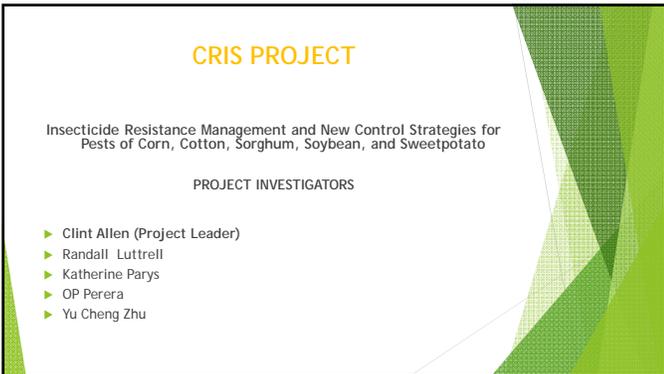


USDA-ARS
Southeast Area
SOUTHERN INSECT MANAGEMENT
RESEARCH UNIT



Mission

- ▶ *The mission of the Southern Insect Management Research Unit (SIMRU) is to generate new knowledge of arthropod pest biology, ecology and management and integrate this knowledge into contemporary farming systems that will promote economical and environmentally stable pest management practices for the southern U.S.*
- ▶ *The vision of SIMRU is to be a recognized center of innovation for negating agricultural pest problem through deployed scientific knowledge of pest biology, ecology and management options.*

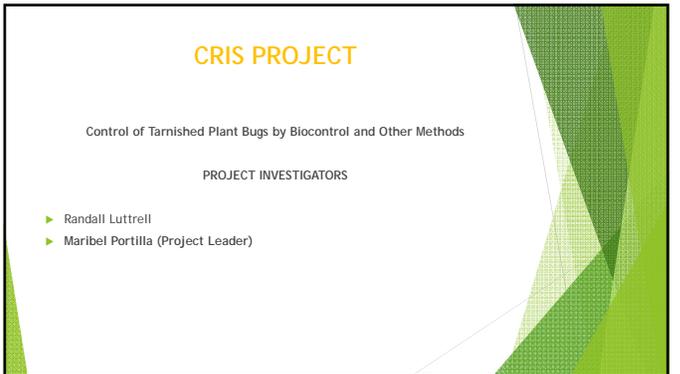


CRIS PROJECT

Insecticide Resistance Management and New Control Strategies for Pests of Corn, Cotton, Sorghum, Soybean, and Sweetpotato

PROJECT INVESTIGATORS

- ▶ Clint Allen (Project Leader)
- ▶ Randall Luttrell
- ▶ Katherine Parys
- ▶ OP Perera
- ▶ Yu Cheng Zhu



CRIS PROJECT

Control of Tarnished Plant Bugs by Biocontrol and Other Methods

PROJECT INVESTIGATORS

- ▶ Randall Luttrell
- ▶ Maribel Portilla (Project Leader)

CRIS PROJECT

Effect of Resistance on Insect Pest Management in Transgenic Cotton

PROJECT INVESTIGATORS

- ▶ Clint Allen
- ▶ Nathan Little
- ▶ Randall Luttrell
- ▶ Katherine Parys
- ▶ OP Perera (Project Leader)
- ▶ Maribel Portilla

Congratulations O.P. Perera



He received funding from USDA-APHIS-PPQ-Center for Plant Health Science and Technology for the project

Entitled:

"Molecular-Based Initiatives to Support the Old World Bollworm Strategic Management Plan"

NEW PUBLICATION CONGRATULATION Dr. Randall Luttrell

MORTALITY OF BOLLWORM AND TOBACCO BUDWORM LARVAE EXPOSED TO MICROBIAL AND CHEMICAL INSECTICIDES IN TREATED BT AND NON-BT COTTON ASSAYS

R.G. Luttrell, Michelle Mullen, N.S. Little, K.C. Allen, and Omaththage P Perera

2016 Beltwide Cotton Conference, New Orleans, LA, January 5-7, 2016

Laboratory colonies of bollworm (*Helicoverpa zea* (Boddie)) and tobacco budworm (*Heliothis virescens* (F)) were exposed to microbial and chemical insecticides on non-Bt (DP1441) and Bt (DP1321) cotton leaves in spray-table and field-plot experiments. The microbial insecticides included commercial formulations of *Bacillus thuringiensis* (Dipel®) and *Heliothis* (*Helicoverpa*) nuclear polyhedrosis virus (Elcar®, Gemstar®, and Heligen®). A range of field application rates was evaluated with each microbial and chemical insecticide against neonate and 3rd instar larvae, and residual activity was measured in a small plot field experiment. Trends in activity provided quantitative assessments of insecticidal and Bt cotton activity against the susceptible laboratory strains of insects studied. These data may be useful as future benchmark comparisons for resistance management and strategic optimization of the need to spray non-Bt and Bt cotton.

2016

UNIT-WIDE MEETING



WHEN: TUES., MAY 24, 2016

WHERE: 1ST FLOOR CONFERENCE ROOM

TIME: 10:00 AM

**TO DISCUSS PESTICIDE SAFETY ALL SIMRU
EMPLOYEES ARE EXPECTED TO ATTEND**

PESTICIDE SAFETY MEETING



Dr. Bryce Blackman conducted a pesticide safety meeting to SIMRU on May 24, 2016 at 9:00 a.m.

Thank you

Dr. Blackman,
 Thank you for giving me the opportunity to work and learn with you. I have enjoyed my experience and the opportunity to work with a great team of people. It was a pleasure to work and learn from my fellow colleagues. In particular, I want to thank you for the time you spent with me discussing my professional development. Please thank my parents and appreciate to the extent that I can for their support and encouragement. I am looking forward to my future experience.
 Sincerely,
 Alexander

Thank you



WELCOME 2016 SUMMER EMPLOYEES

- Allison, Raven
- Brisco, Ashley
- Cannon, Cadarius
- Chatakondi, Raksha
- Clark, Megan
- Coleman, John-Austin
- Gennarelli, Katherine
- Godbold, Russell
- Gundry, Shawnee
- Hanson, Elizabeth
- Harvey, Yorvetta
- Manus, Nicholas Hart
- McKenzie, Raveen
- Phillips, TaMiya
- Reister, Jaret
- Robinson, Dillon
- Scott, Kyle
- Signa, Severino
- Slay, Jana
- Smith, Jacob
- Taylor, Sharilyn
- Thomas, Allison Claire
- Thornburg, Samuel
- Warren, Sarah
- Washington III, Kennedy
- Wells, Kenneth Adam
- Wiltcher IV, John
- Wright, Desari



2016 Summer Employees



Bottom left to right: Dillon Robinson, Megan Clark, Shawnee Gundry, Raven Allison, Sarah Warren, and Kaveen McKenzie
Middle left to right: Claire Thomas, Xerena Harvey, Sharlyn Taylor, Ashley Britton, and Tamya Phillips.
Top left to right: Han Mamas, Desari Wright, Jacob Smith, Adams Wells, John Wilcher, Severino Signa, Jaret Reister, Russ Godbold, and John Austin Coleman

Happy Engagement to Lou Andrews



Thank You

5-18-16
Thanks so much for the generous donation of sweet potatoes to the Sealand Food Pantry. It is through the kindness of people like you that we are able to help the needy in Sealand.
Sincerely,
Sealand Food Pantry



MAY BIRTHDAYS CELEBRATION

► Michelle (May 6th)

