

# 2014 Southeast Hay Convention

Are some varieties better than others?

Are some regions worse than others?



## The Bermudagrass Stem

**Maggot:** Are some varieties better than others? Are some regions worse than others?

Lisa Baxter

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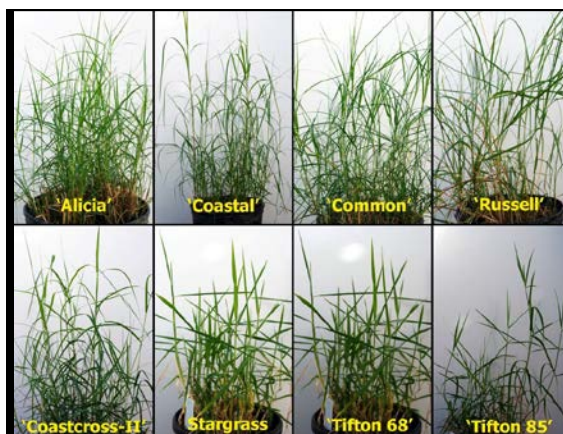


## Introduction

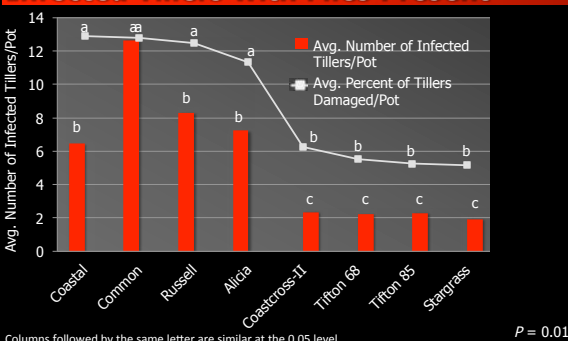


## Introduction

- **Control strategies** still very unclear
- **Cultural management** is major part of IPM
  - Previous work suggests damage is positively correlated to canopy density (Ikeda et al., 1991)
- **Additional information** is needed
  - Susceptibility of bermudagrass cultivars to BSM
  - Reproductive potential of the BSM

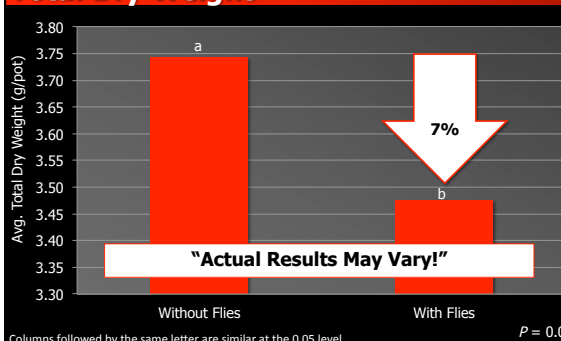


## Results: Effect of Cultivar on Number of Infected Tillers with Flies Present



$P = 0.01$

## Results: Effect of Fly Treatment on Average Total Dry Weight



$P = 0.05$

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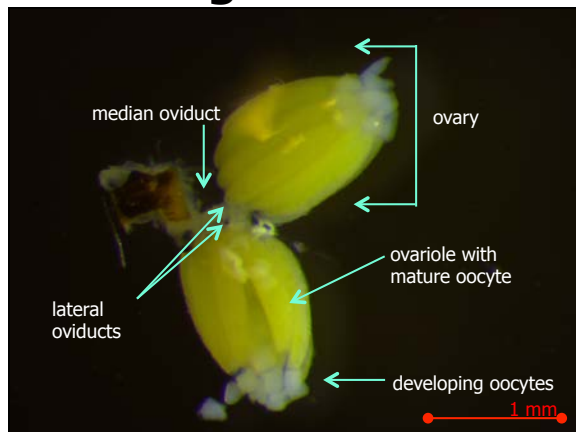


THE UNIVERSITY OF GEORGIA  
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ENVIRONMENTAL SCIENCES

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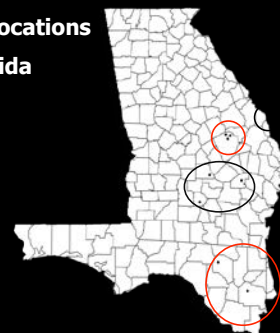


## Methods- Objective 3:

### Collection and Assessment

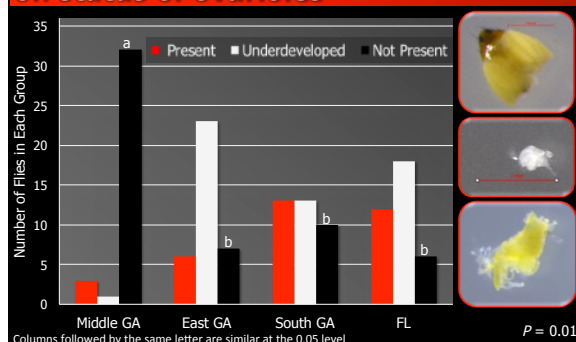
- Collected from 12 locations in Georgia and Florida

1. central GA
2. east GA
3. south GA
4. FL



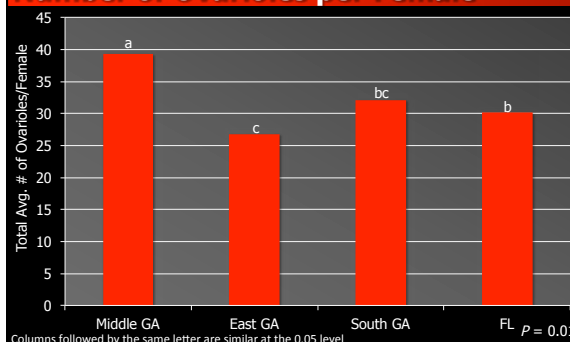
## Results:

### Effect of region on the number of flies on status of ovarioles



## Results:

### Effect of Region on the Total Avg. Number of Ovarioles per Female



## Conclusions:

### Preliminary Conclusions

- Percent of tillers damaged and severity of damage depends on cultivar
- Number and status of ovarioles depends on region

## Conclusions:

### Implications

Plant a more tolerant cultivar such as Tifton 85 or Coastcross-II (if released)



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