## Emerging Technologies and Production Practices for MidSouth Cotton

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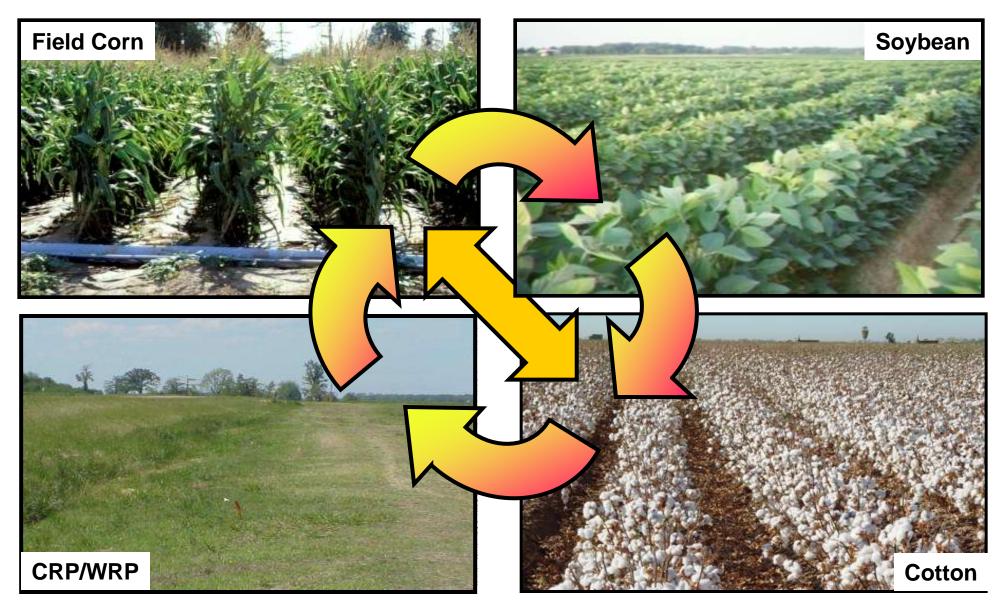
# **Discussion Topics**

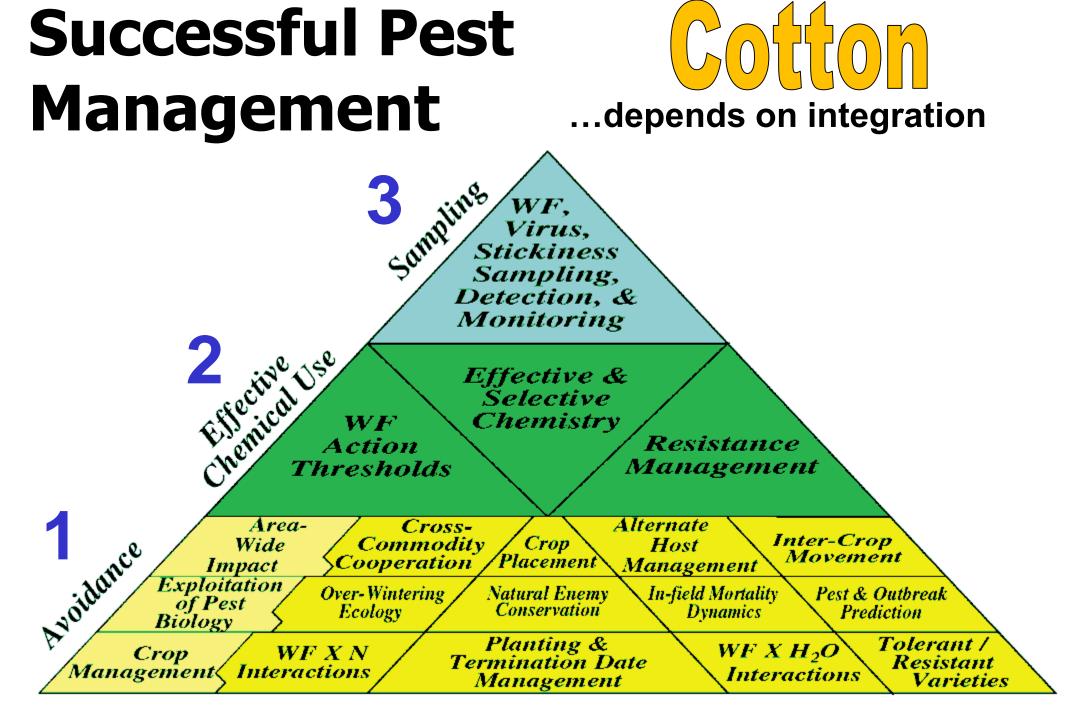
- Evolving "Farmscape"
- Agronomic Practices
- Conventional Pesticide Strategies
- Transgenic Technologies
- Sources of Information

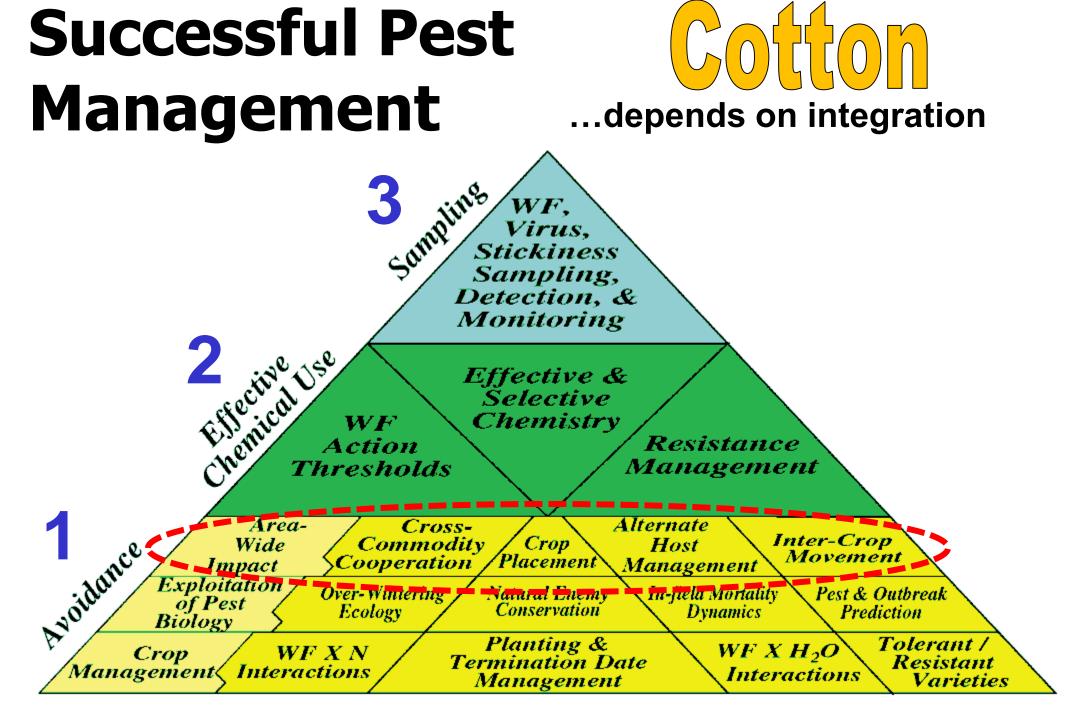
## Landscape Factors On/And Around Farms

### Pest distribution and abundance Across Crops

### **Mid-South Farmscape Components**







### Integration: Landscapes vs Pests

Transgenic

Crops

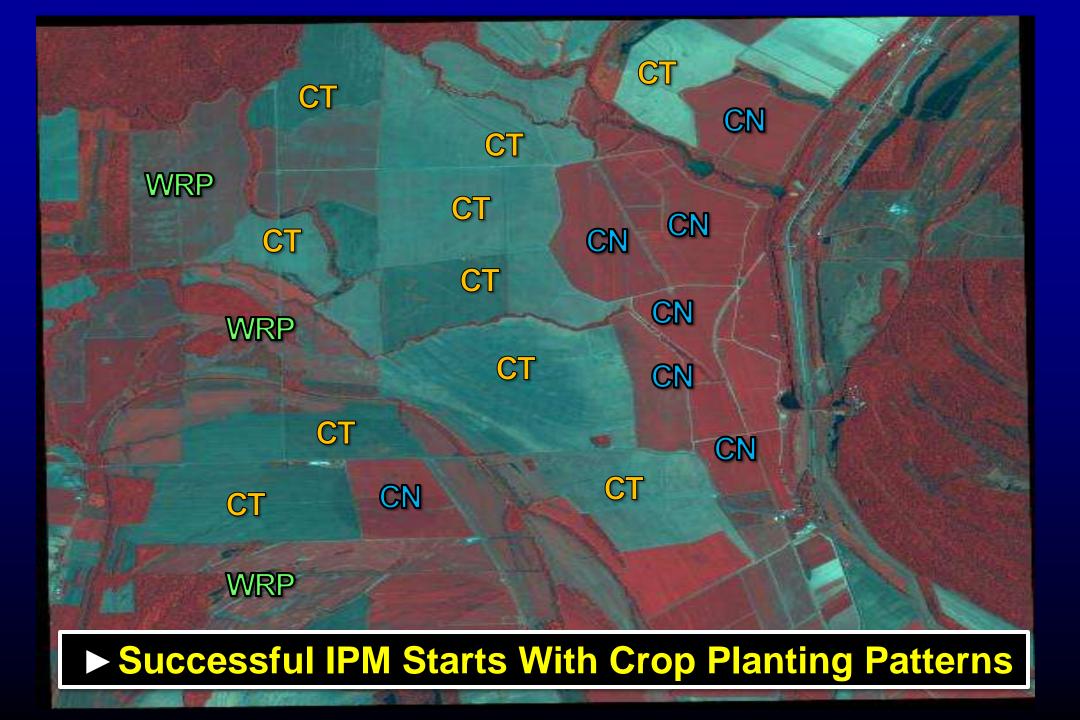
Bt cotton/corn



T. Plant Bugs in crop habitats

Insecticide Selection and Rotation Across Crops

Ellsworth/UA



### Weed Resistance and Herbicide Use Strategies

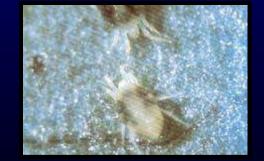


















Insecticides Will Remain An Essential Component Of Cotton IPM For The Foreseeable Future

### **Novel Insecticides/Acaricides**

Common	Trade	Company
Chlorantraniliprole (Rynaxypyr)	Coragen	DuPont
Flubendiamide	Belt	Bayer CropScience
Abamectin	Zoro	Cheminova
Fenpyroximate	Portal	Nichino America, Inc

## **Insecticide Combinations**

Name	Compounds	Company
Leverage	Cyfluthrin + imidacloprid	Bayer CropScience
Endigo	Lambda-cyhalothrin + Thiamethoxam	Syngenta
Bidrin XP	Bifenthrin + dicrotophos	Amvac
Cobalt	Gamma-cyhalothrin + Chlorpyrifos	Dow AgroSciences
EXP's	SP + Alternate Chemistry	Generics

### Sampling Protocols and Action Thresholds







#### **Regional Projects**

"Dirty Squares" – Evidence of Feeding







## Herbicides, Insecticides, and Co-Applications





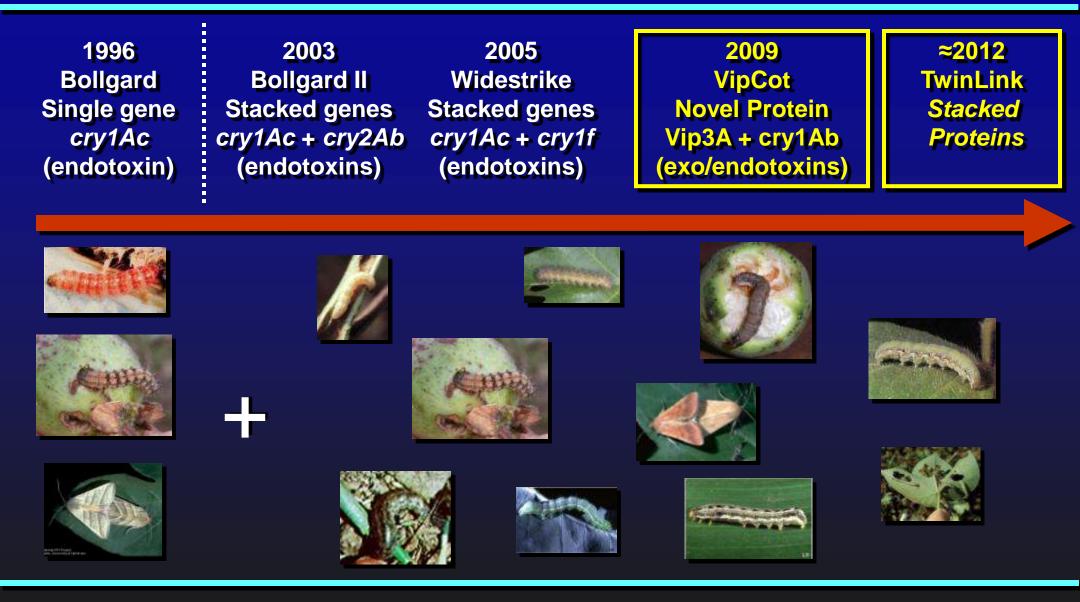


## **Prescription Treatments**

### **Are Field Border Effects Important?**



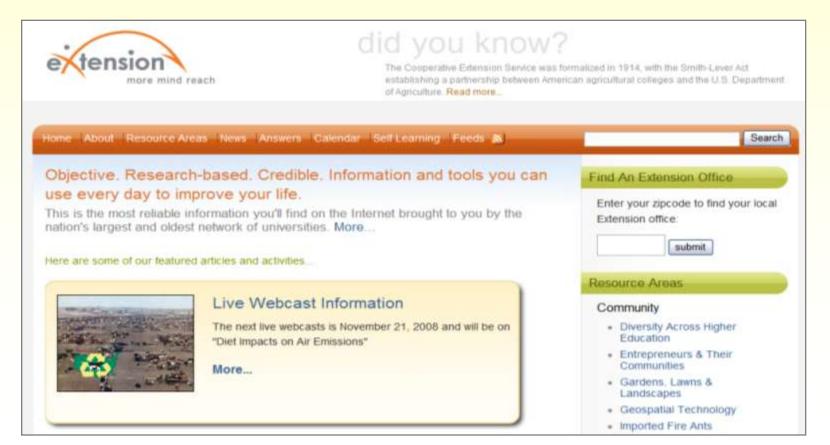
### **Evolution of Commercialized Bt Cotton**



## Information Technology and Acquisition

### IPM Web Resources

- Pest ID, Control recommendations
- Conferencing, on-line databases, etc.



## Summary

Consideration of Farmscape IPM Agronomy and Weed RST - Strong Effects Insecticide Development is Continuous, More Options for Transgenes Sources of Production / IPM Information **Only Integrated PM is Sustainable** 

### Louisiana Cotton Producers Association



### **COTTON INCORPORATED**



Building Markets For Cotton And Cotton Products