

- LACA Meeting

- Marksville, LA

- Feb. 13-14, 2013



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THE VERSATILE PRODUCT

***Dimilin***<sup>®</sup> **2L**

***INSECT GROWTH REGULATOR***

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 **Chemtura**  
AGROSOLUTIONS<sup>®</sup>

## Effects of Dimilin on FAW Larvae



**Dimilin prevents proper deposition of chitin during the molting process resulting in immature's death.**

## • Dimilin 2L

- Major crop uses:
- Cotton – grasshoppers, armyworms
- Peanuts – lesser cornstalk borer; foliage feeders
- Soybeans – velvetbean caterpillar; armyworms; yield response
- Pecans – pecan nut casebearer, hickory shuckworm; yield enhancement
- Pasture/ Hay/Bio-fuel Crops/Rangeland/ Non-Crop Areas - fall armyworm, striped grass looper, sod webworm, grasshoppers, horn & face flies
- Pepper – pepper weevil, beet armyworm, other foliage feeders
- Rice – Rice water weevil

# Key Benefits

- Long Residual Insect Control
  - Safe To Beneficials
    - Economical
  - Excellent Tank Mix Partner
- Yield Response On Certain Crops

# Dimilin 2L Label Update – 2013

- Apply Dimilin 2L @ 2 fl oz/A to biofuel, biomass, or bioenergy grown grasses/forages/cellulosic crops (such as switchgrass, miscanthus sp. etc. for control of Lepidopteran foliage caterpillars, grasshoppers, or Mormon crickets.



# Dimilin Application Timing For Nut Set

1<sup>st</sup> spray @ 50 – 100% catkin elongation with 2<sup>nd</sup> spray two – three weeks later. Use rate = 4 – 8 fl oz/A



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## Dimilin Timing - R3 Growth Stage of Soybean

- R3 Stage Application
- Sets more pods
- Increases seed/pod
- Provides residual insect control





# Dimilin Soybean Timing For Yield Enhancement

- R3 Growth Stage – early-pod fill.
- R2 is too early and R4 is too late!
- Apply in boron or fungicide spray at R3
- Use Rate: 2 – 4 fl oz/A



**Rimon**<sup>®</sup>  
**I N S E C T I C I D E**

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## RIMON 0.83EC Insecticide (MOA Group 15)

- Sweet corn added in 2012
- Use Rate = 9 – 12 fl oz/A
- Do not apply over 60 fl oz/A per season
- Targets: FAW, CEW, ECB, Grasshoppers, other FF
- Pre-tassel: Apply when adult activity is first observed or when majority of immature population is in egg to 2<sup>nd</sup> instar stages.
- Silking/post-tassel: Apply only in a tank mix with knockdown or adulticide products.
- Application through irrigation systems - chemigation

## Rimon 0.83EC For Sweet Potatoes

- Use Rate = 6 – 12 fl oz/A
- MOA Group 15
- Controls: Armyworms; potato tuberworm; loopers, whiteflies, European corn borer; sweet potato leafminer; other foliage feeding caterpillars
- Apply at egg hatch to 2<sup>nd</sup> instar stages for best results.
- PHI = 14 days





**DoubleTake**<sup>TM</sup>

**INSECTICIDE**



 **Chemtura**  
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## Key Facts

- Premix of Diflubenzuron + Lambda-cyhalothrin
- SC formulation (22 :11% ratio)
- Use Rate: 2 – 4 fl oz/A

# Key Crop Markets

- Cotton
- Soybeans
- Peanuts
- Peppers

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# DoubleTake™

- Very broad pest spectrum
- Quick knockdown
- Longer protection with long lasting residual control
- Controls all stages of insect life
  - From eggs to adults
- Multiple modes of action
  - Both neurotoxic & IGR effects
- Yield enhancement reported
  - Both peanut & soybean crops

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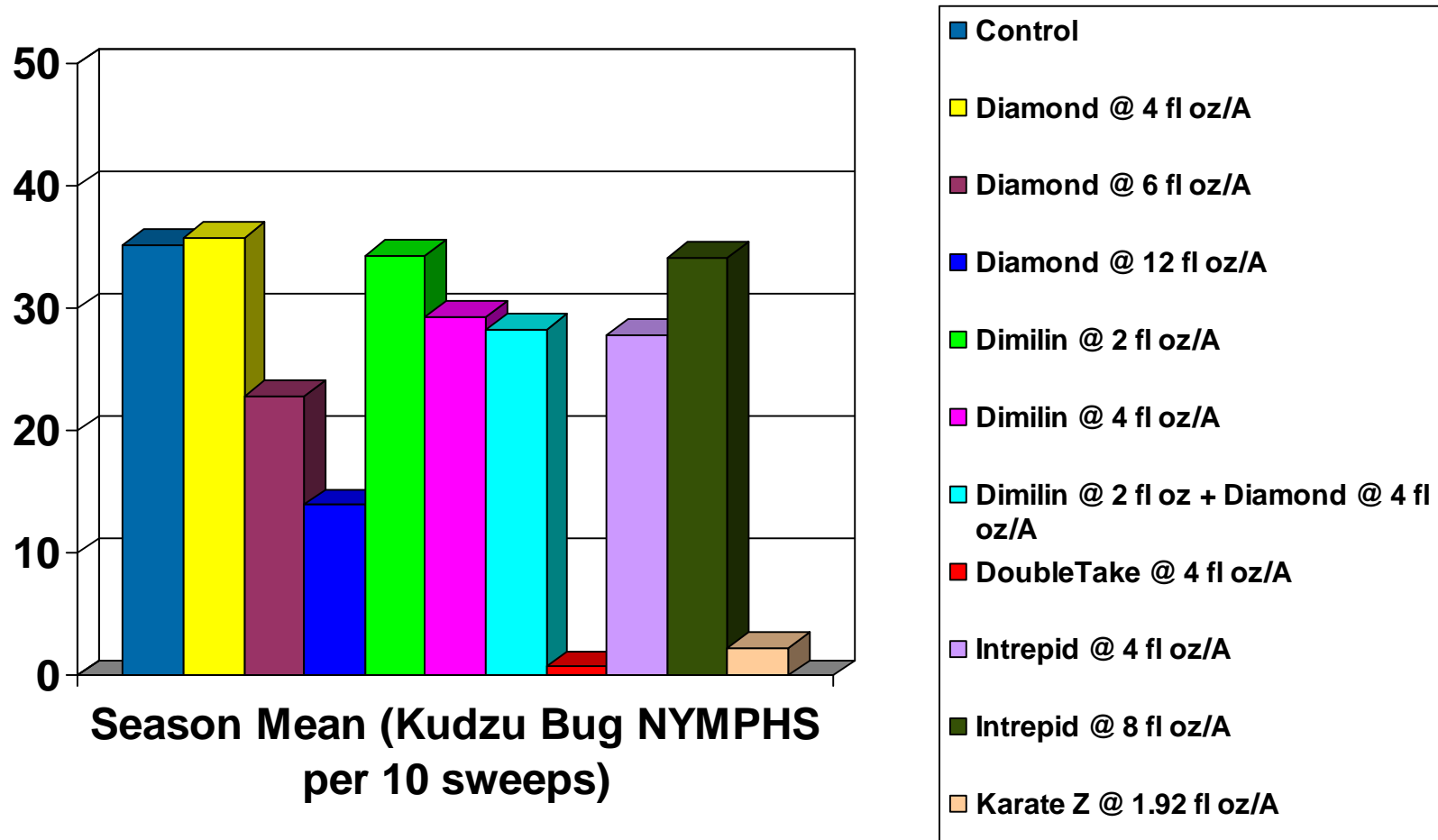
# Key Insect Pests

- Stink bugs (Including Brown Marmorated)
- Kudzu bug
- Worms (armyworms (fall, beet, southern, yellow-stripped, true, et al.), corn earworm, velvetbean caterpillar, lesser cornstalk borer, green cloverworm, and others)
- Bean leaf beetle
- Three-cornered alfalfa hopper
- Grasshoppers
- Pepper weevil
- Aphids (Suppression)

# DoubleTake Efficacy For Kudzu Bugs

Dr. Phillip Roberts – UGA – Tifton, GA

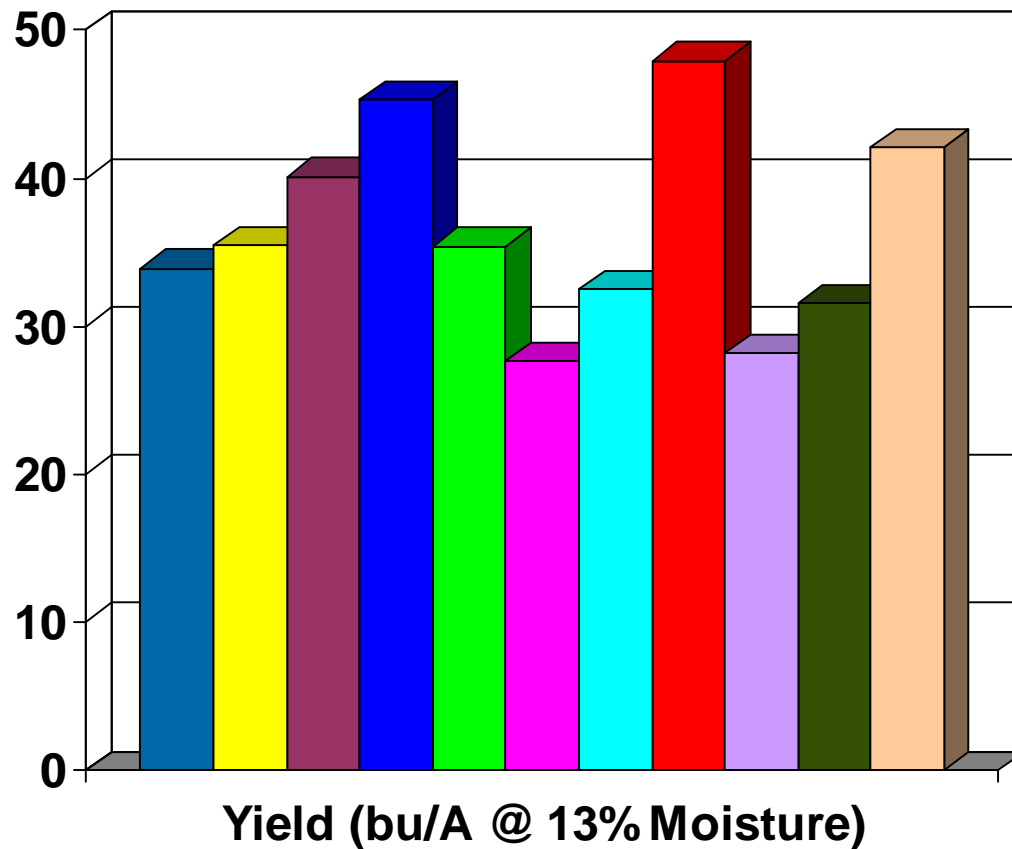
Soybeans (MG V); Sprayed 2x on July 16 & August 6, 2012



# DoubleTake Efficacy For Kudzu Bugs

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Soybeans (MG V); Sprayed 2x on July 16 & August 6, 2012



DISCLAIMER: EPA registration for DoubleTake is currently pending.

Anticipate EPA approval in May 2013

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***Comite***<sup>®</sup> ***II***



**M I T I C I D E**



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# Comite II – Corn, Cotton, Peanuts, Sorghum

- (24 - 36 fl oz/A)
- Target: Spider Mites  
Two spotted spider mite,  
Banks grass mite, & other mites

# ***Firestorm***<sup>TM</sup>

**HERBICIDE**

**Paraquat – 3 lb ai/ gal**

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# Looking Toward 2013 Crop Success



**Thank You**

**Keith Griffith**

**&**

**Jeremy Wood**

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The logo for Chemtura AGRO SOLUTIONS, featuring a stylized green leaf icon to the left of the text "Chemtura" in blue and "AGRO SOLUTIONS" in green below it.