

# 2018 Sweet Corn Weed Control



- Herbicide active ingredients: > 18
- Tillage
- Cover crops
- Hand weeding

# No Emerged Weeds At Planting

## Tillage



## Cover Crop



## Burndown



# Preemergence!

## BURNDOWN:

- Roundup (3 d preplant)
- Gramoxone
- Aim

*For ryegrass: Roundup fb by Gramoxone*

*For horseweed: 2,4-D applied 7-14 d preplant.*



# Apply PRE right after seeding!

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## PRE:

- Atrazine (~1 qt/A) + Dual II Magnum (~1 pt/A)

*Dual and numerous alachlor products are available.....Dual II includes a safener which can make difference on sweet corn*

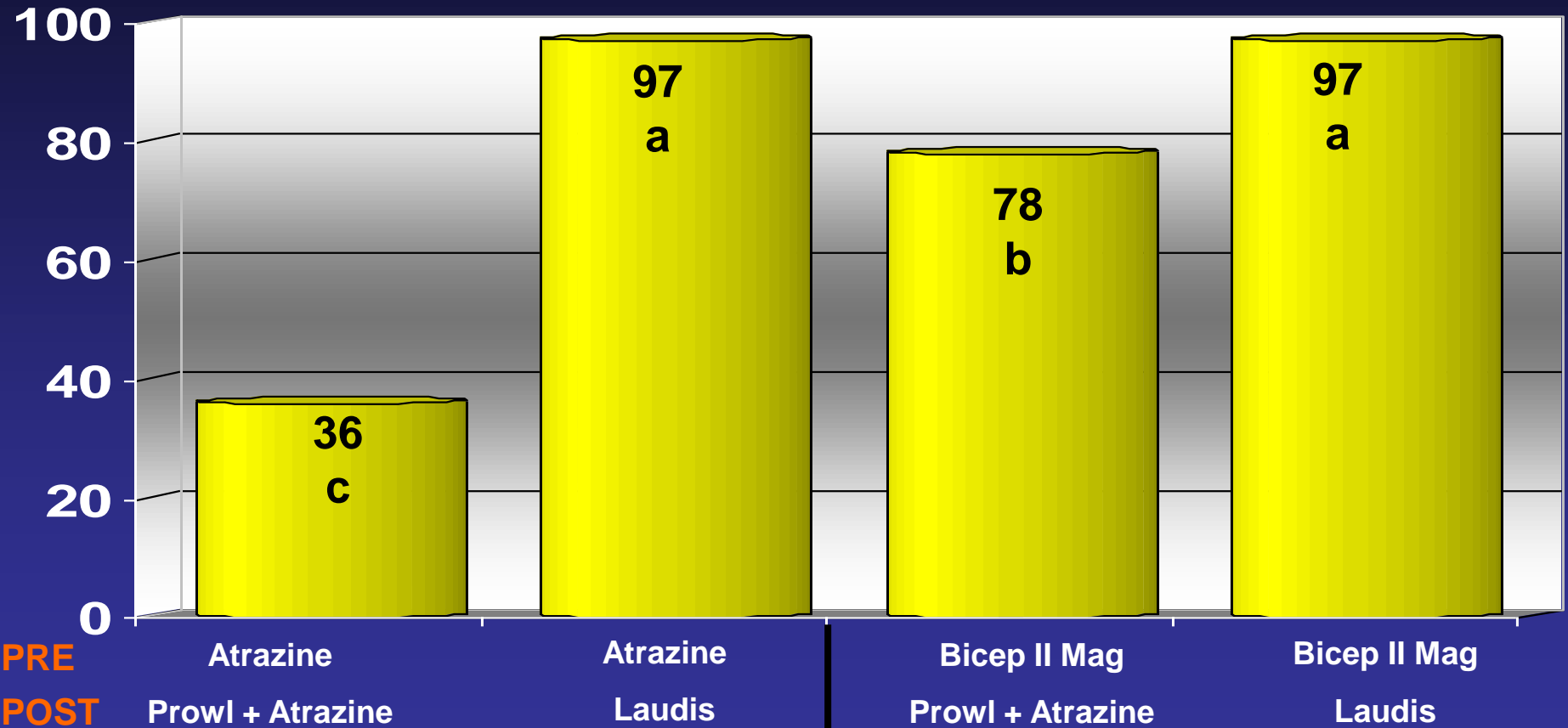
# Apply PRE right after seeding!

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## POST OVERTOP

- Atrazine + Prowl (early POST through 12")
- *Atrazine + Laudis (data looks great)*

# Percent Texas Millet Control at Harvest In Conventional Sweet Corn. TyTy, GA.



Atrazine 1 qt/A; Bicep Mag. 2 qt/A; Laudis 3 oz/A.



# Sweet Corn and Texas Millet Response to Laudis Systems. Ty Ty, GA.



Atrazine PRE

Atrazine + Prowl POST



Bicep II Magnum

Prowl + Atrazine POST



# Sweet Corn and Texas Millet Response to Laudis Systems. Ty Ty, GA.



Atrazine PRE

Laudis + MSO 3" millet



Bicep II Magnum

Laudis + MSO 3" millet



# Sweet Corn and Texas Millet Response to Laudis Systems. Ty Ty, GA.



Non-treated control



Laudis 3 oz + MSO to 6" millet



# Laudis 3.5 SC

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- active ingredient = Tembotrione
- field corn, seed corn, sweet corn and popcorn
- controls crabgrass, goosegrass, broadleaf signalgrass, and **Texas panicum (millet) up to 3 inches**



# Laudis 3.5 SC

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- do not apply to Merit or Shogun cultivars
- 3 oz product per acre from emergence to V7
- include an MSO (methylated seed oil)
- can tank mix with atrazine
- only one application

# Laudis: Carryover Concerns?

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- Label
  - 4 months: **grains**
  - 8 months: **soybean**
  - 10 months: **cotton, tomato, snapbean**
  - 18 months: **cucurbits, other crops**
- UGA has limited carryover data!



# Apply PRE right after seeding!

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## POST OVERTOP

- *Atrazine + Prowl (early POST through 12")*
- *Atrazine + Laudis (data looks great)*
  
- *Callisto and Impact also labeled...less tolerance in our research.*

# Plowing Destroys the Herbicide Layer



If you plow, products like Dual Magnum, Prowl and/or Atrazine applied after plowing would be beneficial.



# Roundup WMAX On Sweet Corn

- Emergence through 8 leaf collars or 30" whichever comes first.
- One application of WMAX at 32 oz/A + atrazine prior to 12 inch corn
- Two applications of WMAX at 22 oz/A if avoiding atrazine for carryover concern.
- Max use rate 44 oz/A, don't exceed 4.1 qt/A.
- 10 d between application, 30 d PHI

# Grasses should not be issue in RR Sweet Corn

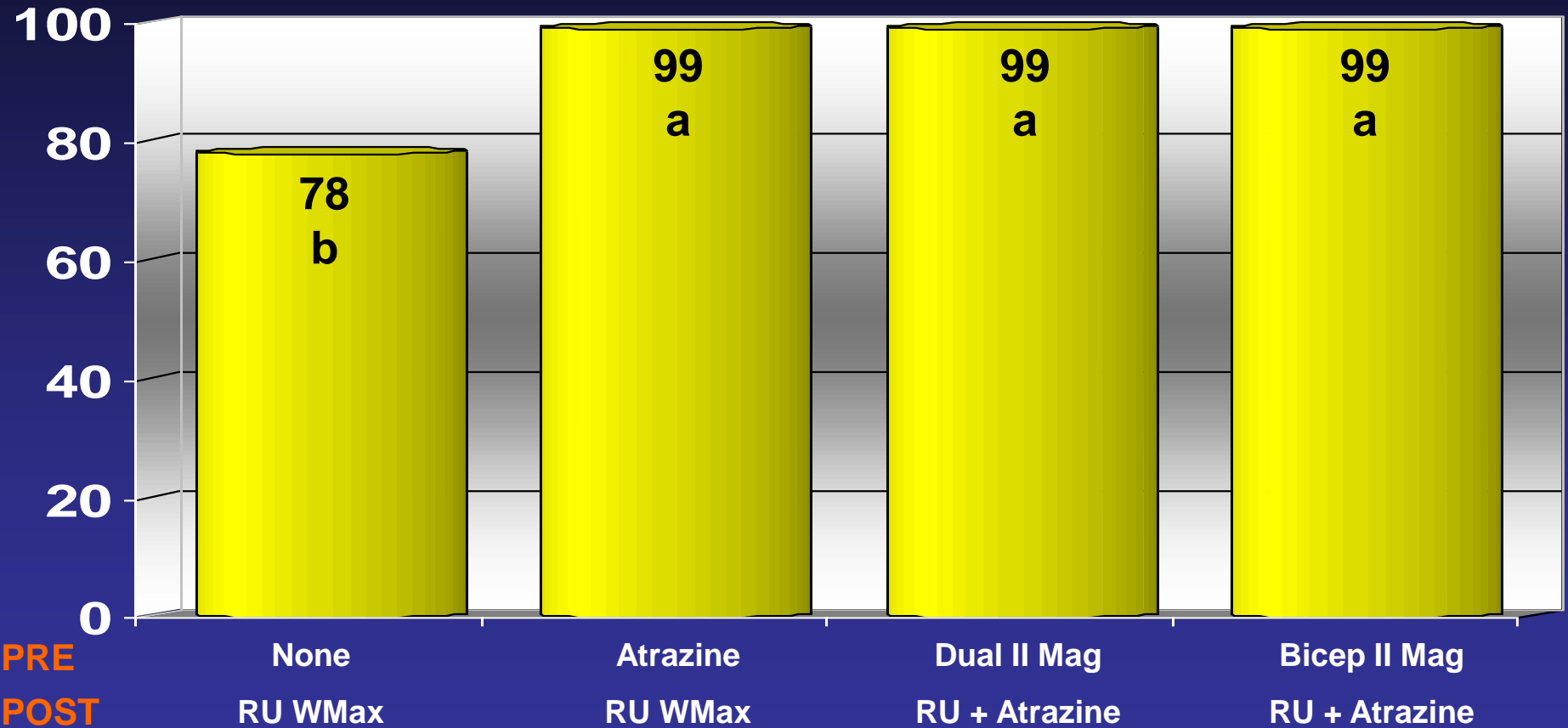


Non-treated Control





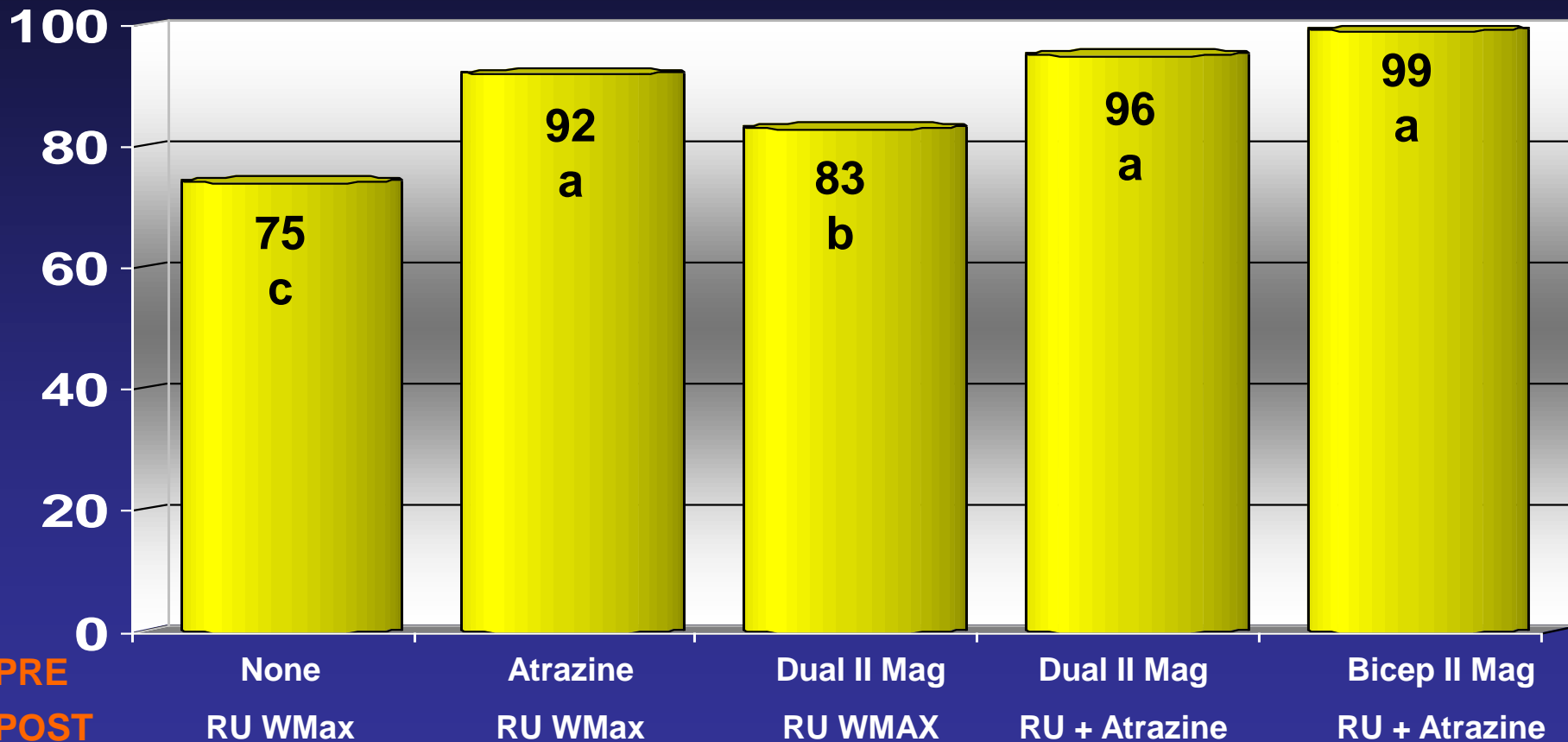
# Percent GR Palmer amaranth Control at Harvest In RR Sweet Corn. TyTy, GA.



Atrazine 1 qt/A; Bicep Mag. 2 qt/A; Dual II Mag. 1 pt; WMax 1 qt per acre.



# Percent Morningglory Control at Harvest In RR Sweet Corn. TyTy, GA 2012.



PRE  
POST

Atrazine 1 qt/A; Bicep Mag. 2 qt/A; Dual II Mag. 1 pt; Laudis 3 oz; WMax 1 qt per acre.

# Roundup WMAX On Sweet Corn

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- Glyphosate-resistant Palmer amaranth world
- Residual applied at planting (Dual II + atrazine)
- Residual tank mixed with Roundup

Does offer more flexibility in cropping systems



# Nutsedge in Sweet Corn

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- RR System: Sequential applications of Roundup and Sandea (top notch)
- Conventional Corn: Sandea 0.67 oz/A from spike through layby. “Injury is responsibility of grower”.