

2010 Herbicide Update



Laudis
Select Max
Dual Magnum
Chateau
Alanap
Reflex
Paladin

Laudis 3.5 SC

- active ingredient = Tembotrione
- limited research (not included in PCH)
- field corn, seed corn, sweet corn and popcorn
- focus today on sweet corn
- controls crabgrass, goosegrass, broadleaf signalgrass, and **Texas panicum (millet) up to 3 inches**

Laudis 3.5 SC

- do not apply to Merit or Shogun cultivars
- limited experience (VC0808 and WSS0987)
- 3 oz product per acre from emergence to V7
- include an MSO (methylated seed oil)
- can tank mix with atrazine
- only one application

Sweet Corn and Texas Millet Response to Laudis Systems. Ty Ty, GA. 2009. V17.



Non-treated control



Laudis 3 oz + MSO to 3" millet

Sweet Corn and Texas Millet Response to Laudis Systems. Ty Ty, GA. 2009. V17.



Non-treated control



Laudis 3 oz + MSO to 6" millet

Sweet Corn and Texas Millet Response to Laudis Systems. Ty Ty, GA. 2009. V17.



Atrazine PRE

Atrazine + Prowl POST



Bicep II Magnum

Prowl + Atrazine POST

Sweet Corn and Texas Millet Response to Laudis Systems. Ty Ty, GA. 2009. V17.



Atrazine PRE

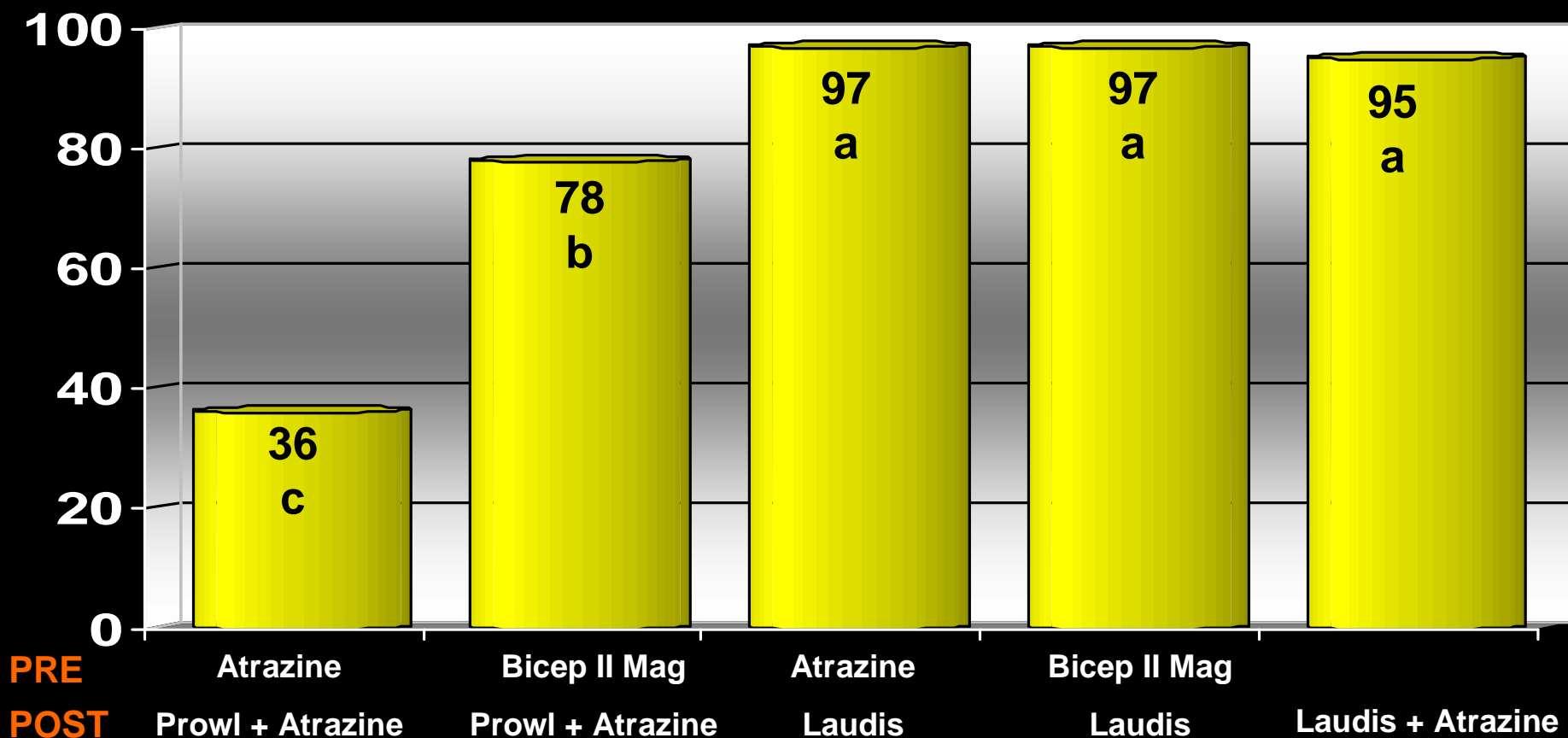
Laudis + MSO 3" millet



Bicep II Magnum

Laudis + MSO 3" millet

Percent Texas Millet Control at Harvest. TyTy, GA 2009. V17-09.



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

Laudis: Carryover Concerns?

- Label
 - 4 months: grains
 - 8 months: soybean
 - 10 months: cotton, tomato, snapbean
 - 18 months: cucurbits, other crops
- UGA has no carryover data!

Grass Control Herbicides



Clethodim + COC, Cook Co. 2009

Grass Control Herbicides



Select Max

- clethodim
 - Select Max 0.97 EC
 - Apply twice the rate of Select 2 EC
 - Cucurbits and fruiting vegetables
 - Current label allows NIS or COC

Grass Control Issues with Select or Poast Products

More Control but More Injury

full rate of crop oil

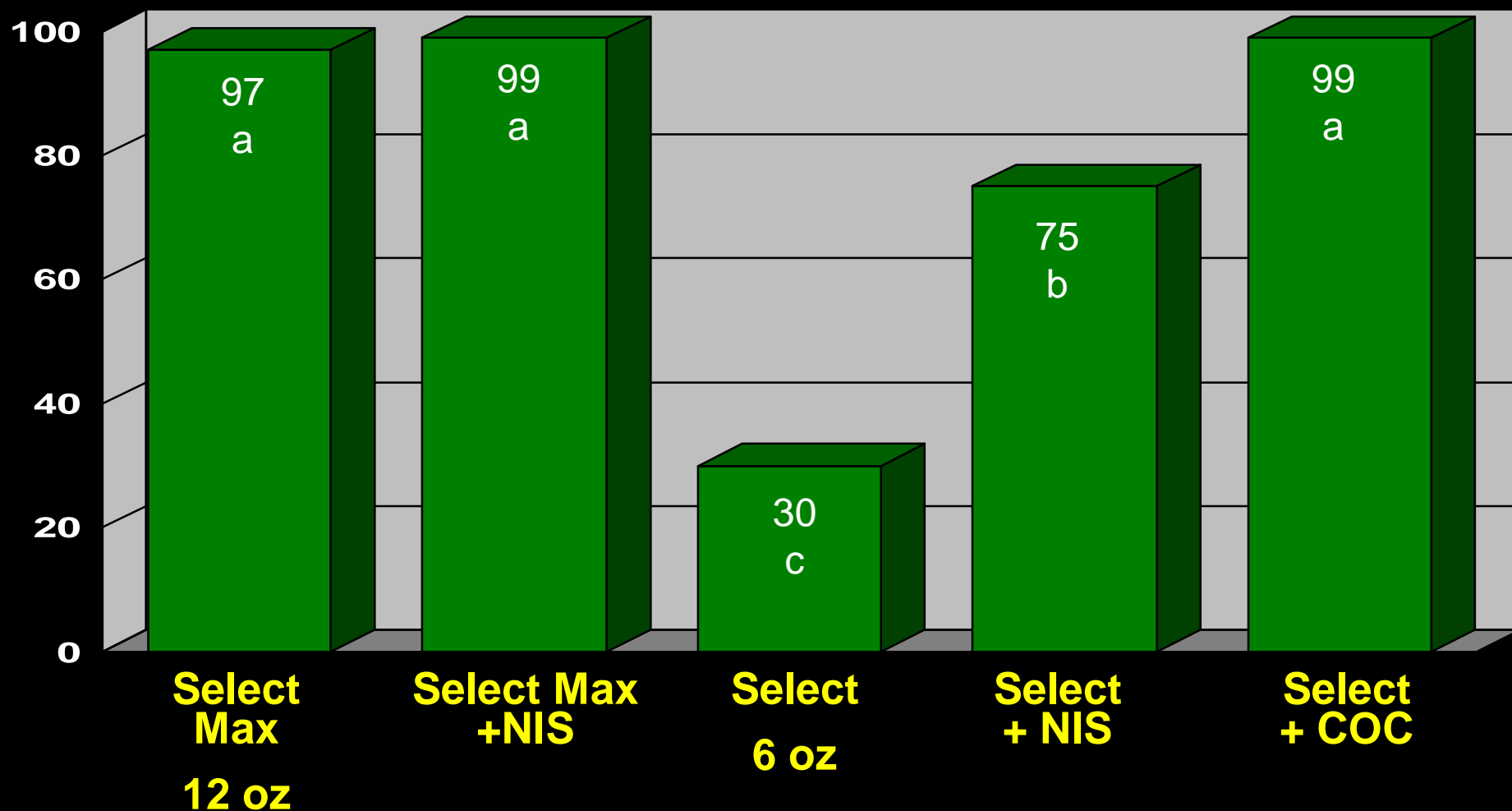
half rate of crop oil

nonionic surfactant

no surfactant

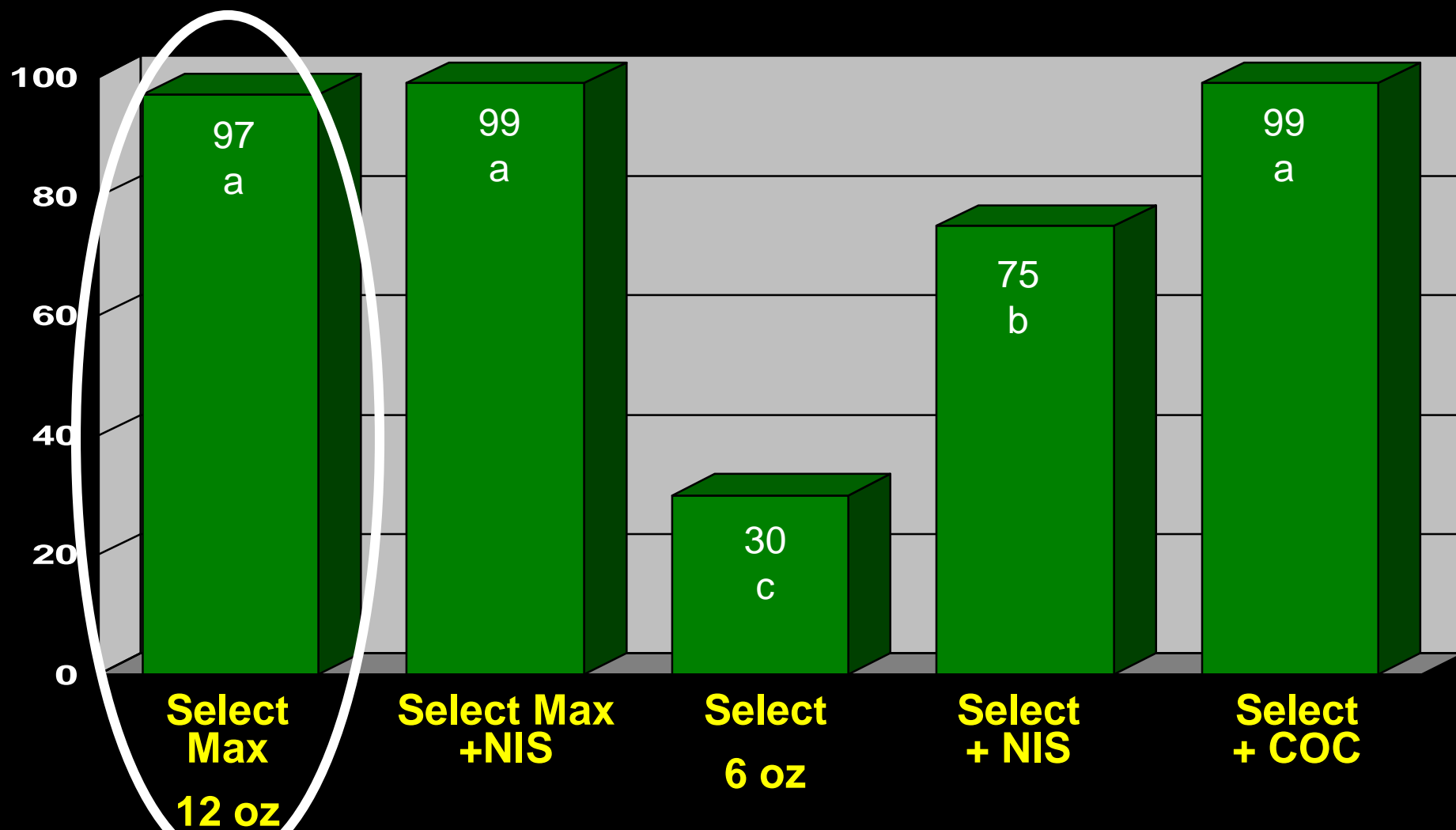
Less Injury but Less Control

Percent large crabgrass control with various clethodim products and adjuvants. TyTy, GA 2009.



Large Crabgrass 4 inches at time of application!

Percent large crabgrass control with various clethodim products and adjuvants. TyTy, GA 2009.



Large Crabgrass 4 inches at time of application!

Select Max

- Working with Valent for GA Label allowing Select Max applications without adjuvant

Dual Magnum in Numerous Veggies

(Labels expected within week)

- 1. Cabbage, Chinese cabbage, broccoli, collard, and cauliflower**
- 2. bell peppers (transplant)**
- 3. dry bulb onion, green onions**

Cabbage, Broccoli, Collard, and Cauliflower

MULCHED TRANSPLANTS: POST

1. transplant in old mulch
2. wait 10 days
3. spray 8 to 16 oz/A Dual Magnum overtop

BAREGROUND TRANSPLANTS: POST

1. after transplant, irrigate to seal soil around rootball.
2. Five to 10 days after irrigation, apply over top of transplants at a rate of 8 to 16 oz/A.

Cabbage and Broccoli Response to Dual Mag



Dual Mag 16 oz POST



No Dual Mag.

Cabbage and Broccoli Response to Dual Mag



Dual Mag POT 10 d



No Dual Mag.

In bareground need to be using Treflan PPI

Bell Pepper

(Plasticulture and Bareground)

- 1. Preplant application**
- 2. POST application**
- 3. Split application**

Bell Pepper

(Plasticulture and Bareground)

Split application



PRE:

6-8 oz Dual Mag
2 to 3 lb Devrinol
Command

POST 1:

8-10 oz Dual Mag

POST 2:

Select Max as needed

Dual Magnum in Onion

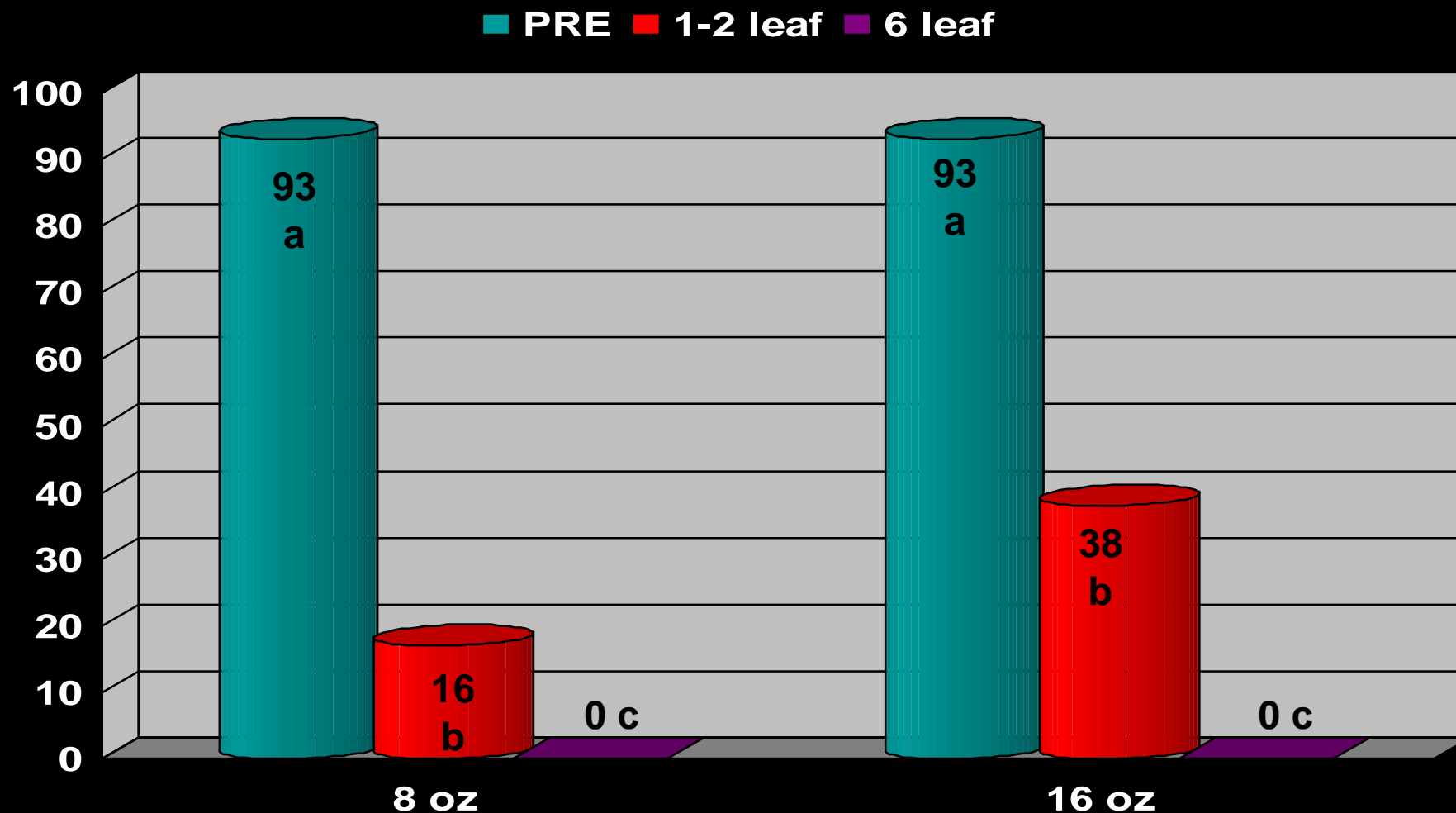
- Seeded and transplant

**Transplant dry bulb: no big fit
continue with Prowl + Goal**

Seeded Onion (dry bulb or green)

1. Apply 6 to 8 oz of Dual Magnum at 4 leaf
2. Apply up to 12 oz Dual Magnum at 6 leaf

Seeded onion injury from Dual Magnum. 2006.

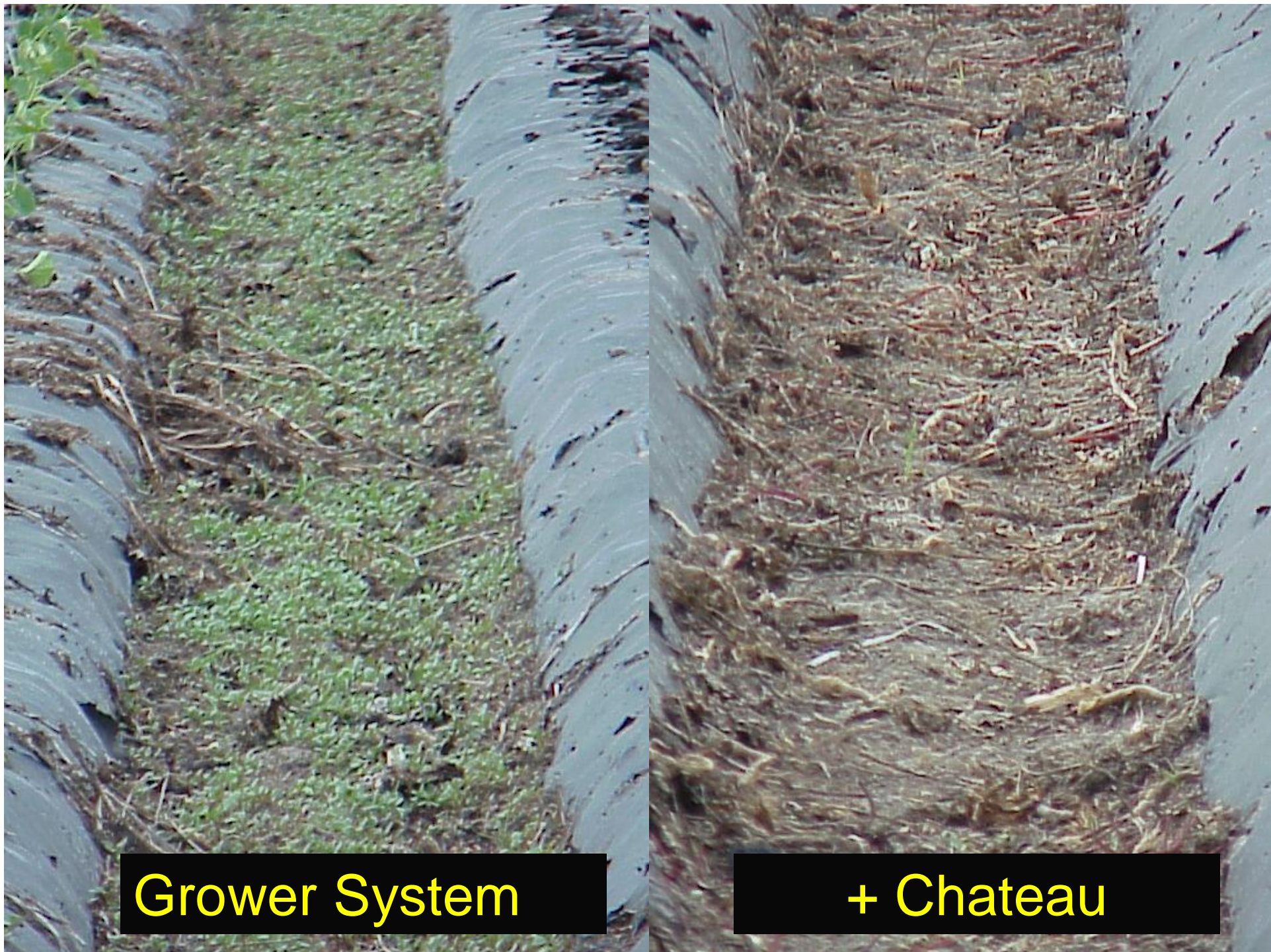


Chateau Row Middle Labels

1. Raised bed only
2. Up to 4 oz/A
3. Can not touch the mulch
4. **Product can not be effectively washed from the mulch**

Likely Chateau Row Middle Label

5. Apply PRIOR to transplant
6. Need rain after application, prior to transplant
7. Residual control of purslane, eclipta,
pigweeds, beggarweed
8. Need tank mix partner for grasses



Grower System

+ Chateau

**Great fit for row middles without cover
crop...what happens with cover?**



Alanap Going Away – Spring 2008

- Ø Chemtura voluntarily canceling registration**
- Ø Production was stopped Oct. 2007**
- Ø 50,000 gal inventory**
- Ø 2.5 years of inventory if normal use continues**
- Ø Shelf life is about 3 years**

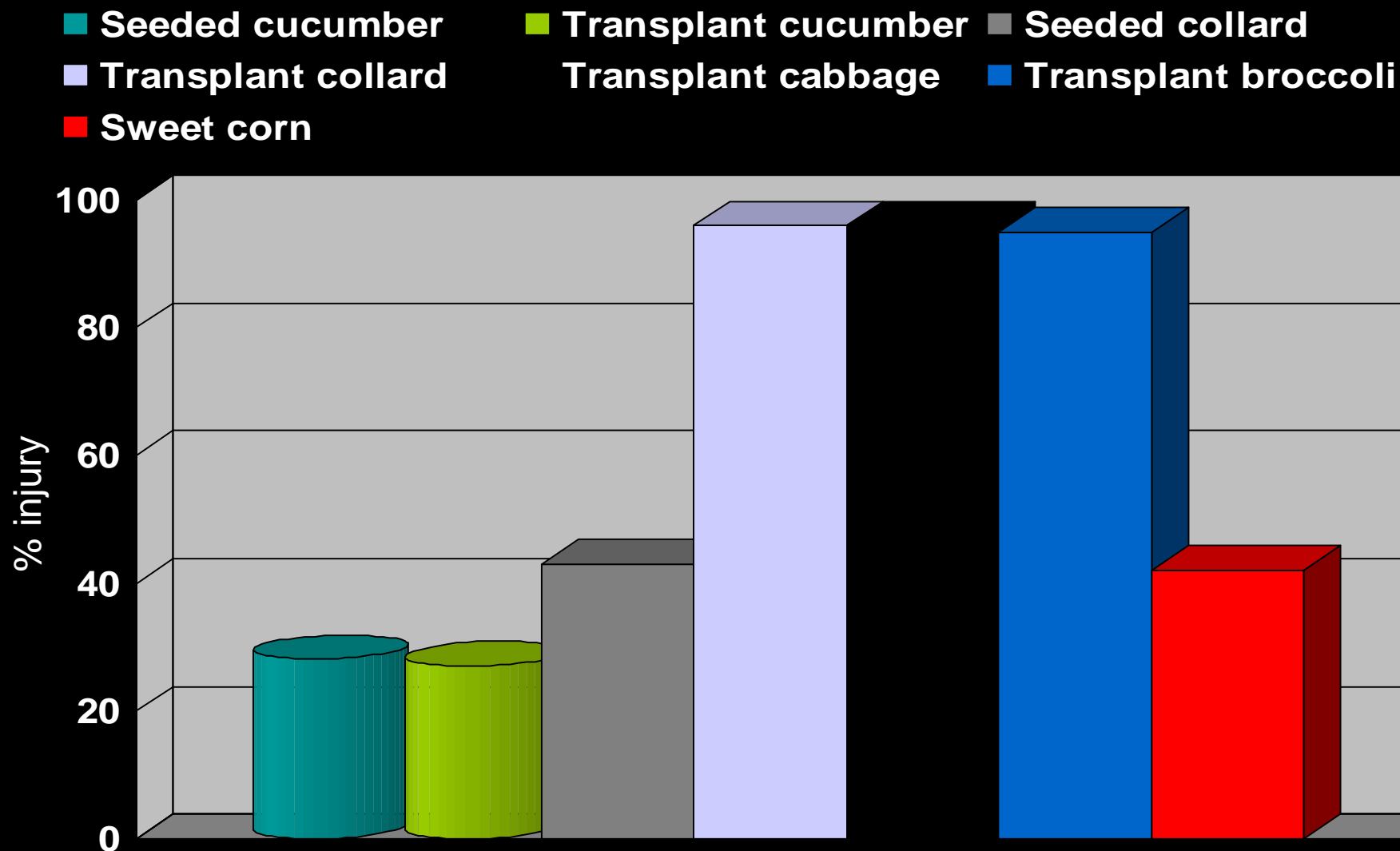


Curbit



Curbit followed by
Alanap

Carryover from Reflex applied under mulch. Crops planted 6 months later. 2007



DMDS (Paladin)

1. Labeled in April or May.....I hope!
2. Come to MB section on Saturday



No Fumigant



Paladin 40 G

Herbicide Coated Mulch



No Fumigant, No Herbicide,
Blockade Film



No Fumigant, No Herbicide
BIG Film

Third Party Registrations

1. Labels are held by GFVGA.
2. Label must be in hand of user.
3. Small fee.
4. Growers must support this program.

Georgia Vegetable Commodity Commission

Support for most of this work!!!!