

# 2012 Watermelon Production Meeting



# Good Residual Options

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Ø Sinbar

Ø Sandea

Ø Curbit

Ø Reflex 2013 maybe?

# Sandea Use in Watermelon

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**PREEMERGENCE: 0.75 oz/A**

**Seeded:** Apply after planting, before cracking

**Transplant bareground/mulch:** Do not transplant till 7 d after application.

**ROW MIDDLE AS WELL**

# Sandea Under Mulch

50-70% yellow nutsedge under mulch control, 70-80%  
Pigweed control

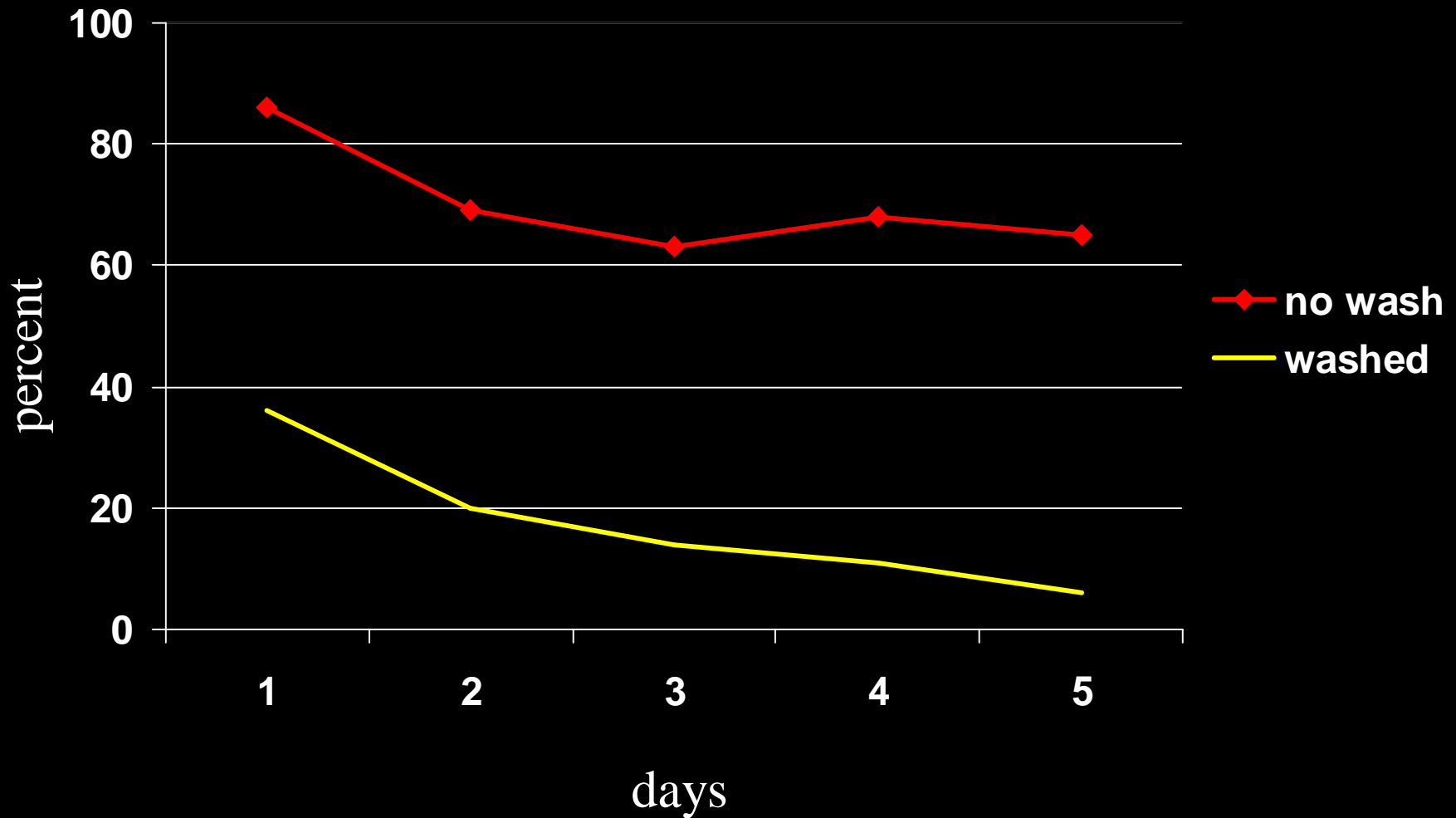


# Sandea Use in Watermelon

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\*DO NOT APPLY OVER MULCH and then transplant.

# Amount of Sandea remaining on plastic mulch. TyTy GA, 2005.





**Nontreated**



**Sandea  
(0.5 oz/A)**



Watermelon farm in Crisp County, May 2000. Treatment at 1-leaf. Pictures to scale.



# Sandea for PRE Weed Control

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common cocklebur

wild radish

pigweeds

common ragweed

common lambsquarters

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yellow nutsedge - suppression

purple nutsedge - suppression

**2 to 3 weeks residual weed control**



Non-treated Control

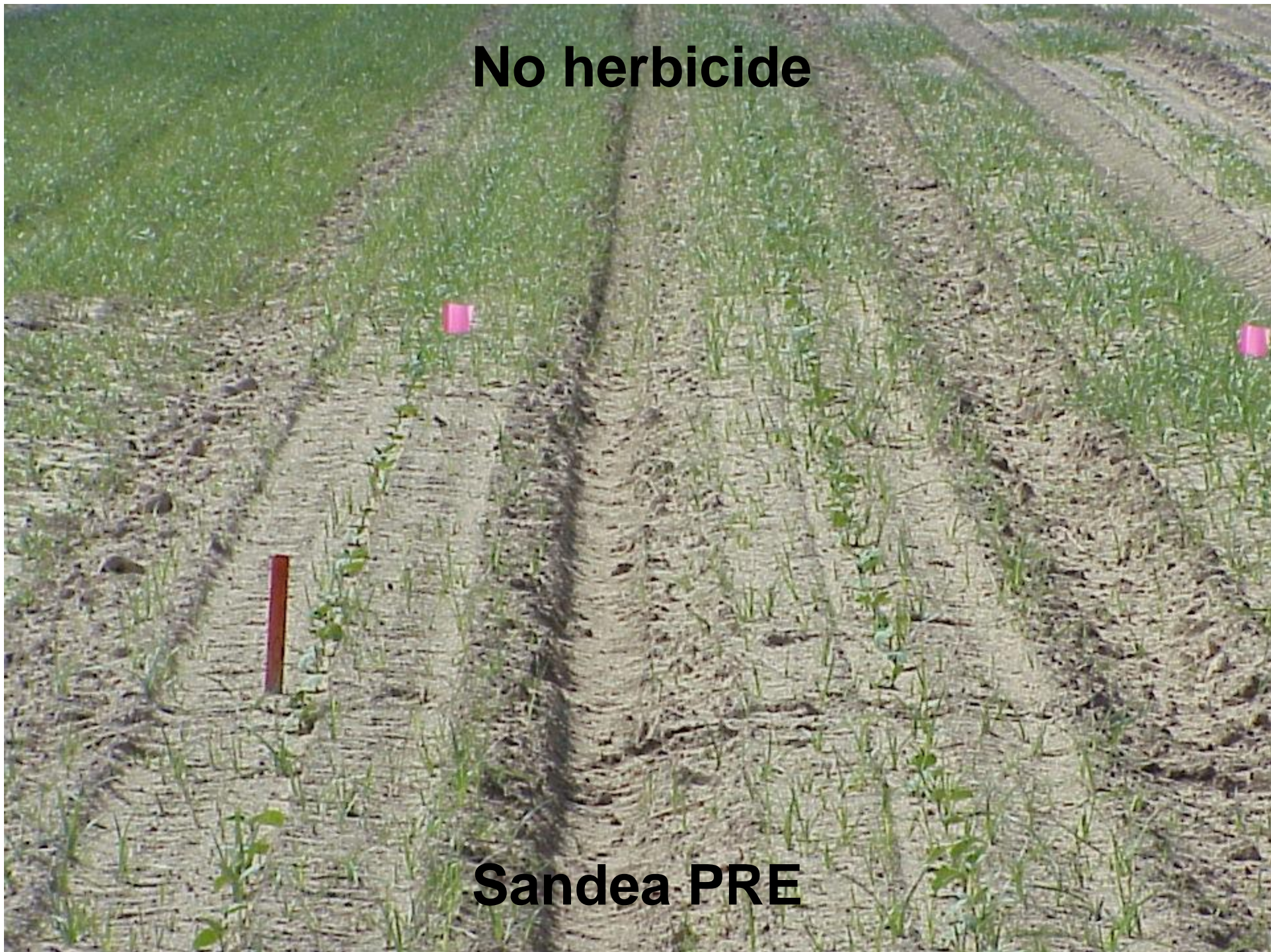


Sandeda (0.5 oz/A) PRE

W1-00. Halosulfuron study with Ken Lewis in Cordele.

**No herbicide**

**Sandea PRE**



# Sandea for POST Weed Control

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**1-3 inch**

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passionflower

redroot pigweed

pokeweed

**1-9 inch**

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cocklebur

ragweed

velvetleaf

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**yellow and purple nutsedge** – heavy infestations  
may require sequential applications

**2 to 3 weeks residual weed control**

# Curbit (Sonalan)

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1. Apply PRE to seeded or row middle
2. Do not apply prior to transplanting bareground
3. Do not apply under mulch

# Swelling From Curbit

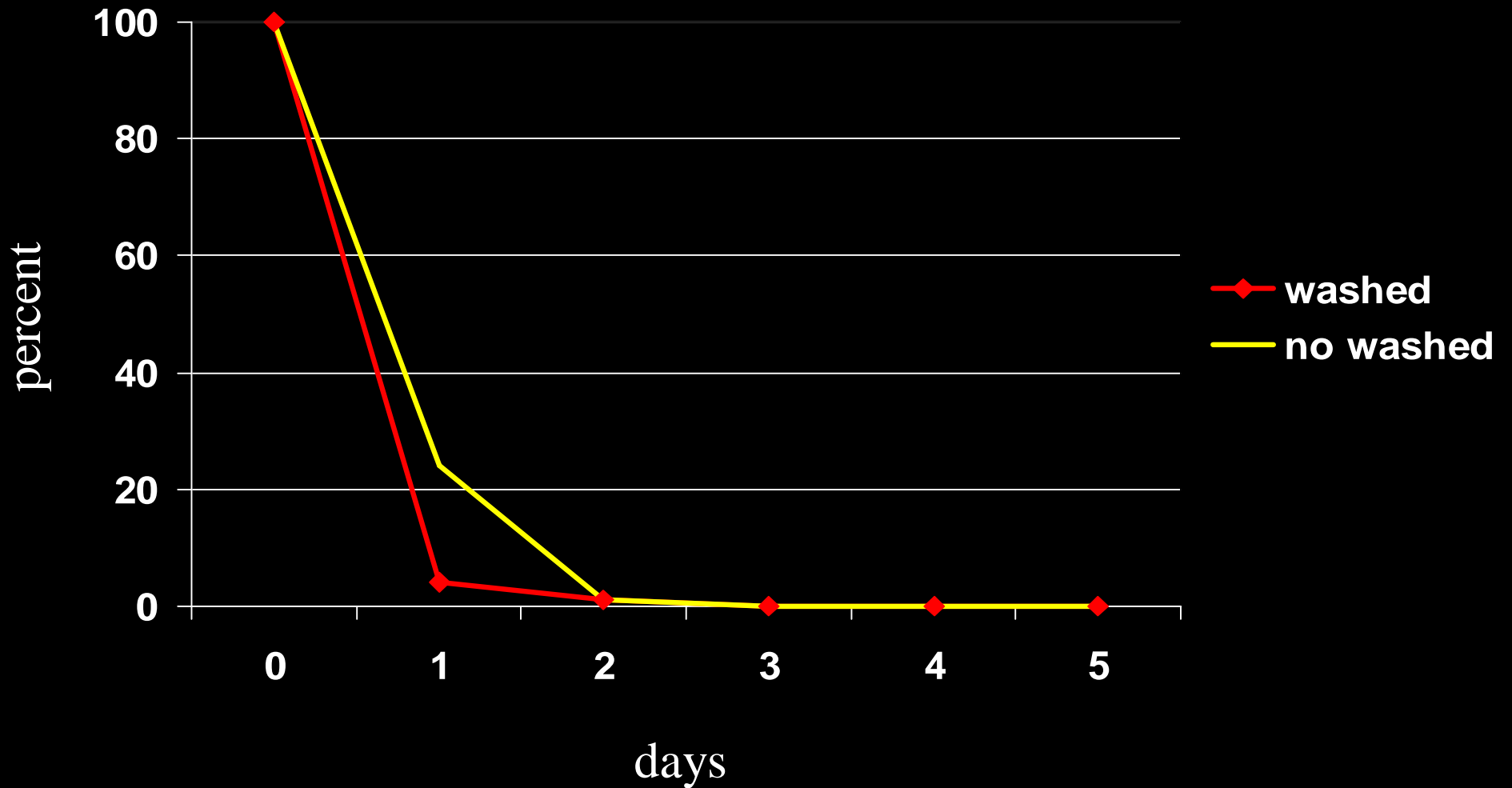


**Over mulch, washed off**

**Under mulch**



# Amount of Curbit remaining on plastic mulch. TyTy GA, 2005.





# Sinbar – Watermelon Only



Curbit 1.5 pt/A PRE



Curbit 1.5 pt/A + Sinbar 2.5 oz

# Reflex

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1. tomato and pepper in Jan
2. watermelon 2013/2014
3. squash 2013/2014

**NOT CURRENTLY LABELED IN  
WATERMELON**

# Watermelon Response to Reflex?



**Non-treated**



**Curbit + Reflex**

Curbit + Sinbar + Reflex  
broadcast over mulch



# Cantaloupe Response to Reflex!



No Reflex



Reflex 1 pt/A applied 205 days before transplanting

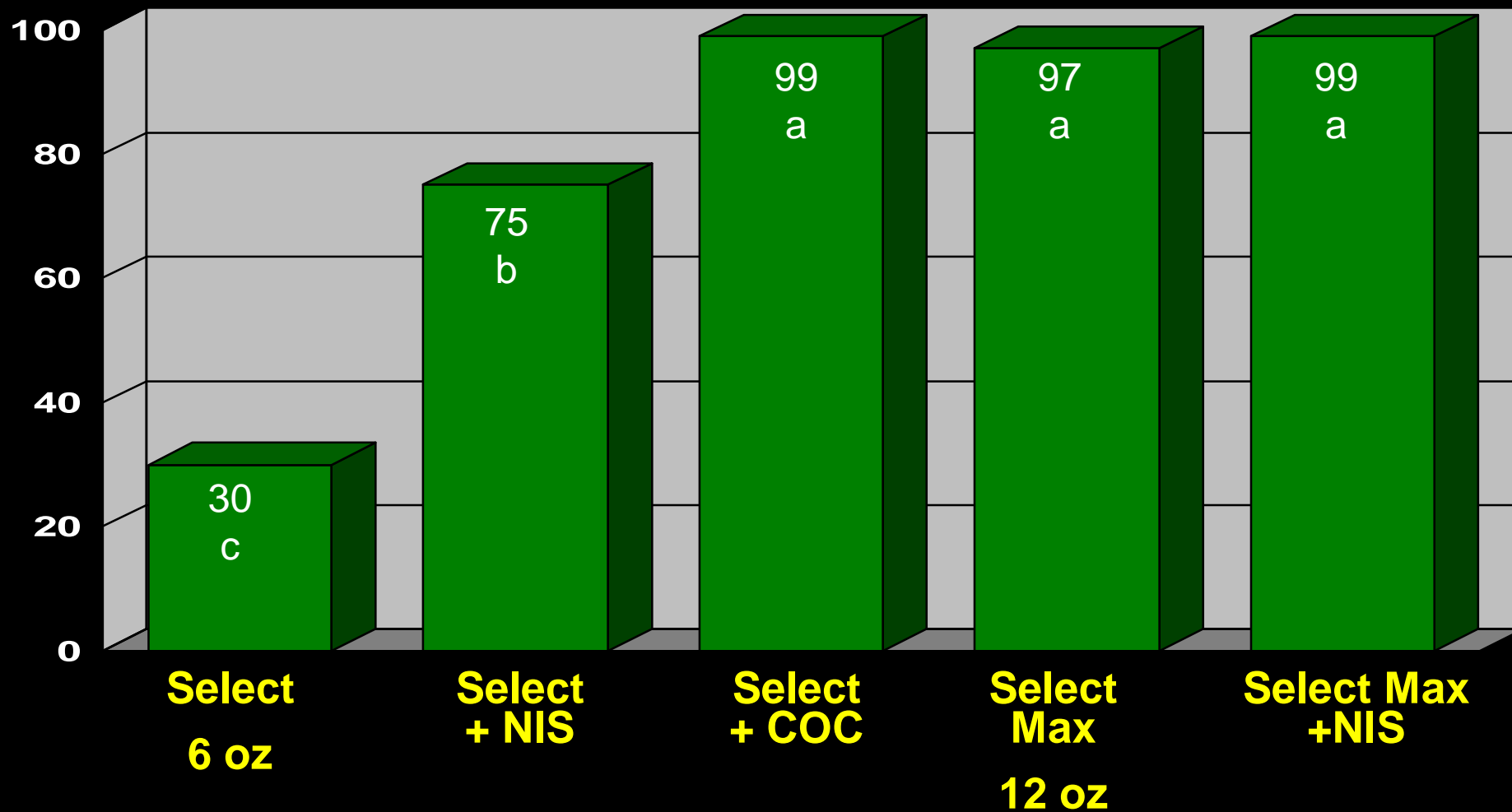


# Grass Control Herbicides



Clethodim + COC, Cook Co. 2009

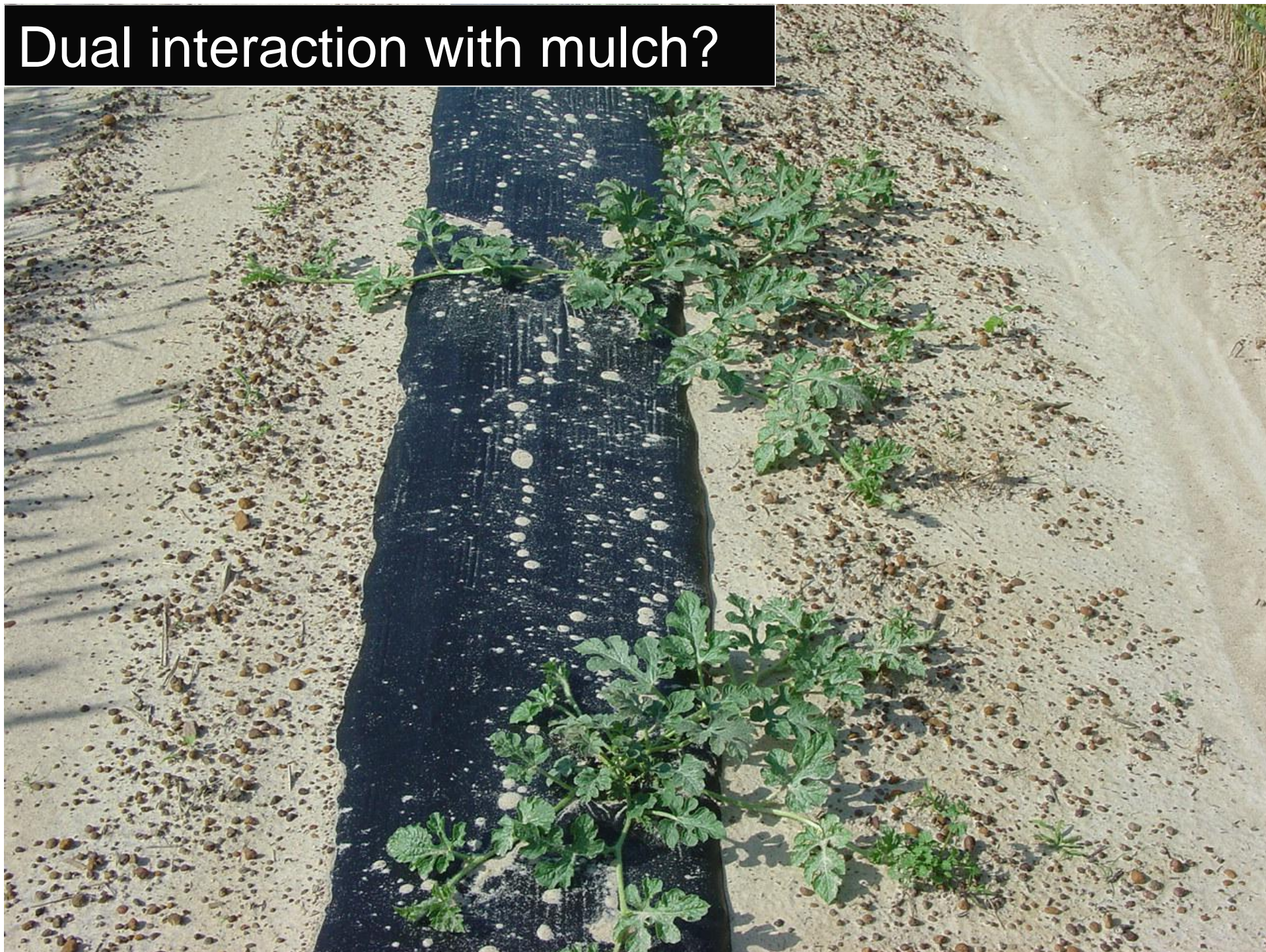
# Percent large crabgrass control with various clethodim products and adjuvants. TyTy, GA 2009.



Large Crabgrass 4 inches at time of application!

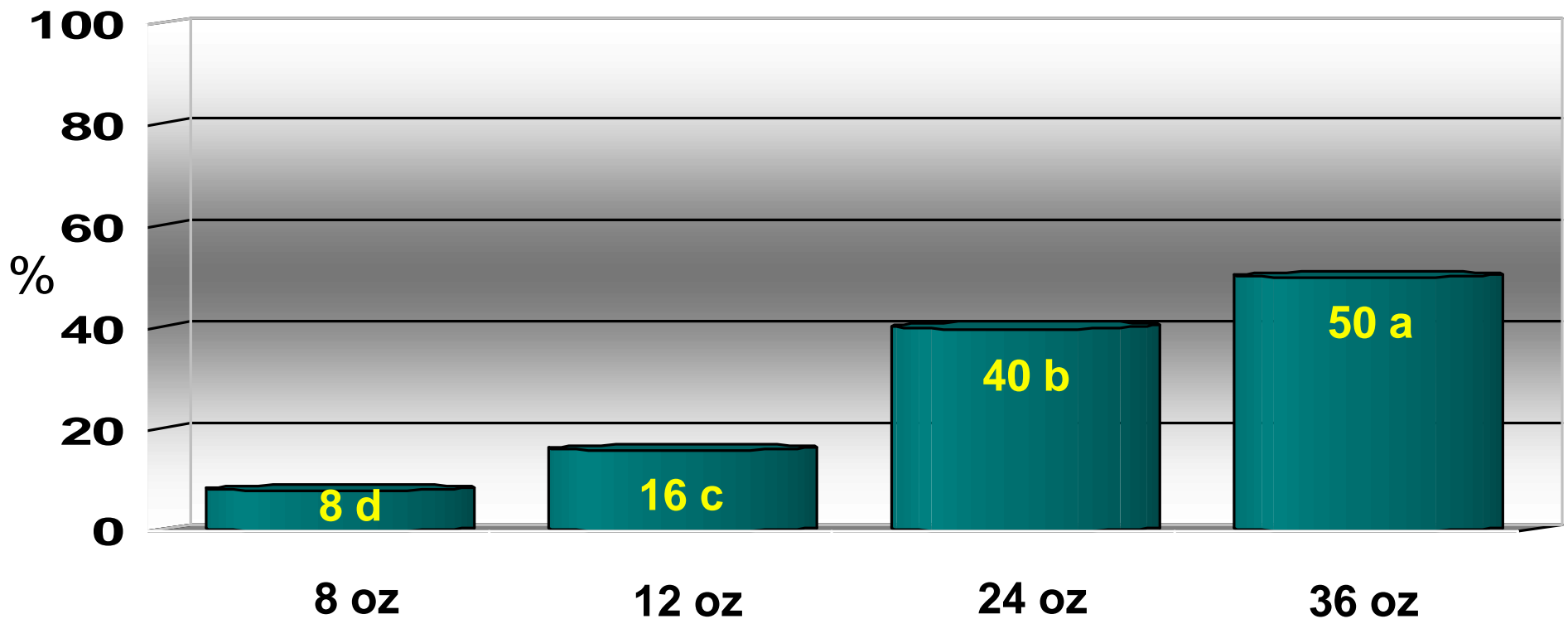


# Dual interaction with mulch?



# Mulched watermelon injury to Dual Magnum applied post-transplant on mulch. TyTy, 2010.

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# Metam (Vapam, others)

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1. Best nutsedge option under mulch
2. Best pigweed option under mulch
3. No carryover
4. Costly

**If renting land find out what  
herbicides used last year!**

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**Cadre, Staple, Strongarm are very  
bad news!!!!!!!!!!!!!!!!!!!!**

**Don't plow unless you have to!!!!!!!!!!!!**



# Developing Integrated Programs



**If renting land find out what herbicides were used last year!**

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**Cadre, Staple, Strongarm are very bad news!!!!!!!!!!!!!!!!!!!!**

# Comments or Questions?

