



Common Mistakes That Reduce Peanut Profitability - Weed Management

Eric P. Prostko

Extension Weed Specialist

Department of Crop & Soil Sciences



**UNIVERSITY OF
GEORGIA**

College of Agricultural &
Environmental Sciences





Not a good way to start out!





Starting Clean!!!!



~\$21A in extra tillage
and still had problems!

4-5' tall AMAPA
Mowed
Disked
Rototilled 2X

Photo taken
17 Days later



Large (5"-23" tall) Palmer Amaranth Control with Gramoxone 2SL @ 2.5 pt/A.

6 hours



4 days



7 days



19 days



Cobra 2EC @ 12.5 ozs/A + COC @ 1% v/v applied to 17" tall pigweed

1 DAT



4 DAT



7 DAT

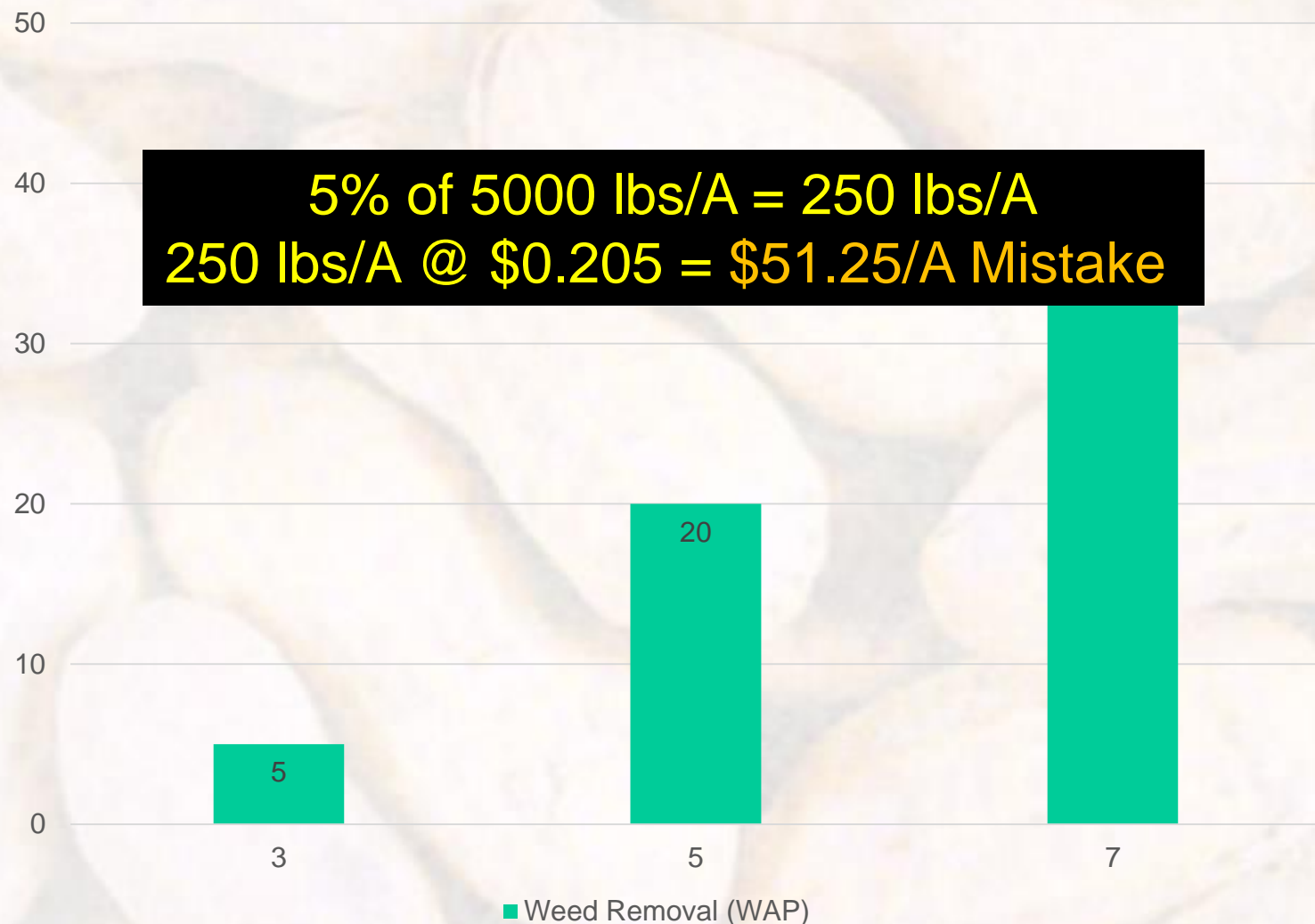


16 DAT





Estimated Yield Loss From Delayed Weed Removal in Peanut*



*Adapted from Everman et al. 2008. *Weed Technology* 22:63-67

Mixing/Loading/Sprayer Clean-Out



Glyphosate Mishaps Again in 2019



June 25
JK



Glyphosate Mishaps Again in 2019



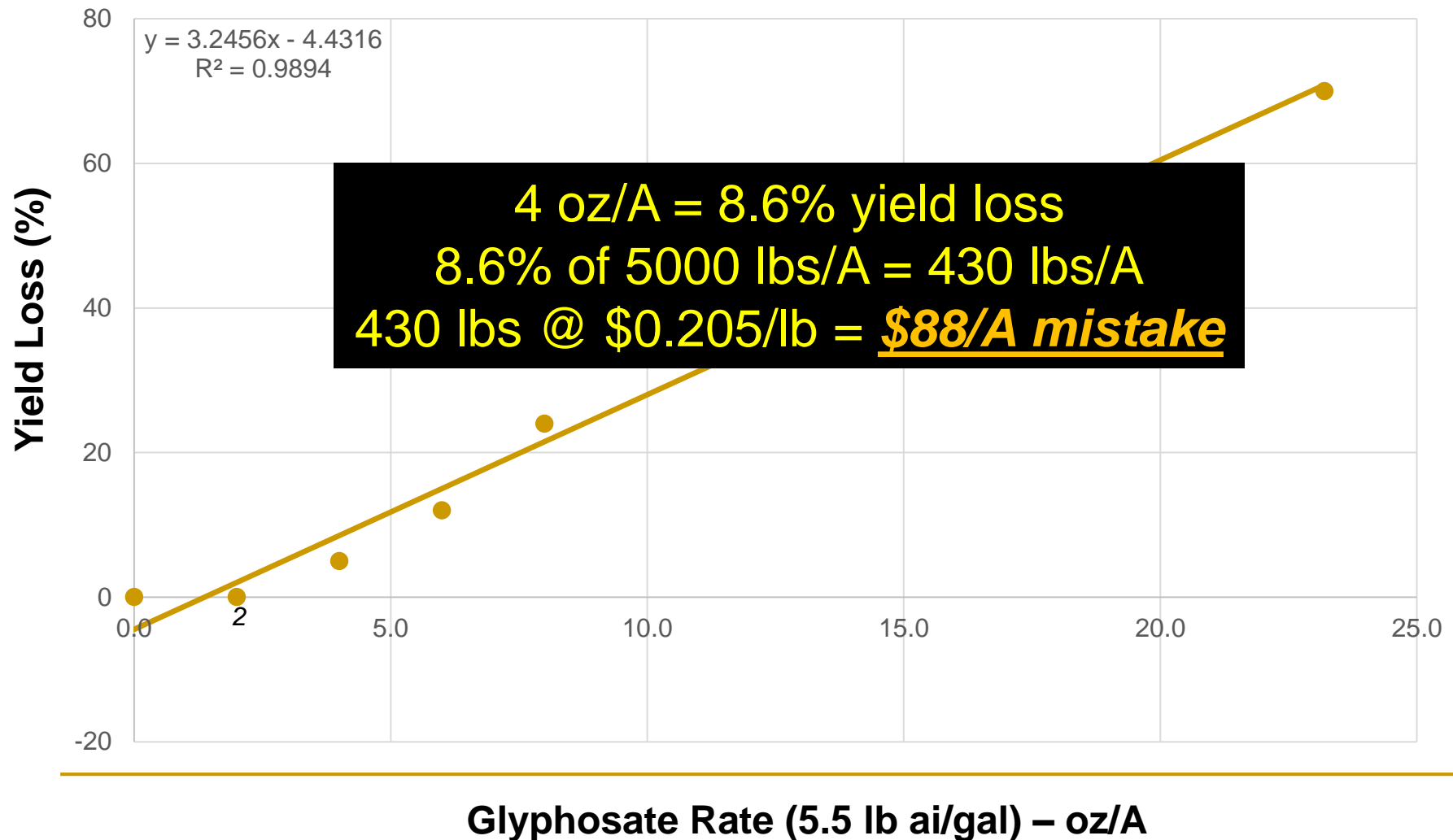
June 28
BS

Glyphosate Mishaps Again in 2019



June 25
RB

Peanut Yield Loss Caused By Glyphosate Applied 75-105 DAP in Georgia.





Is this glyphosate?
No, it's diuron!

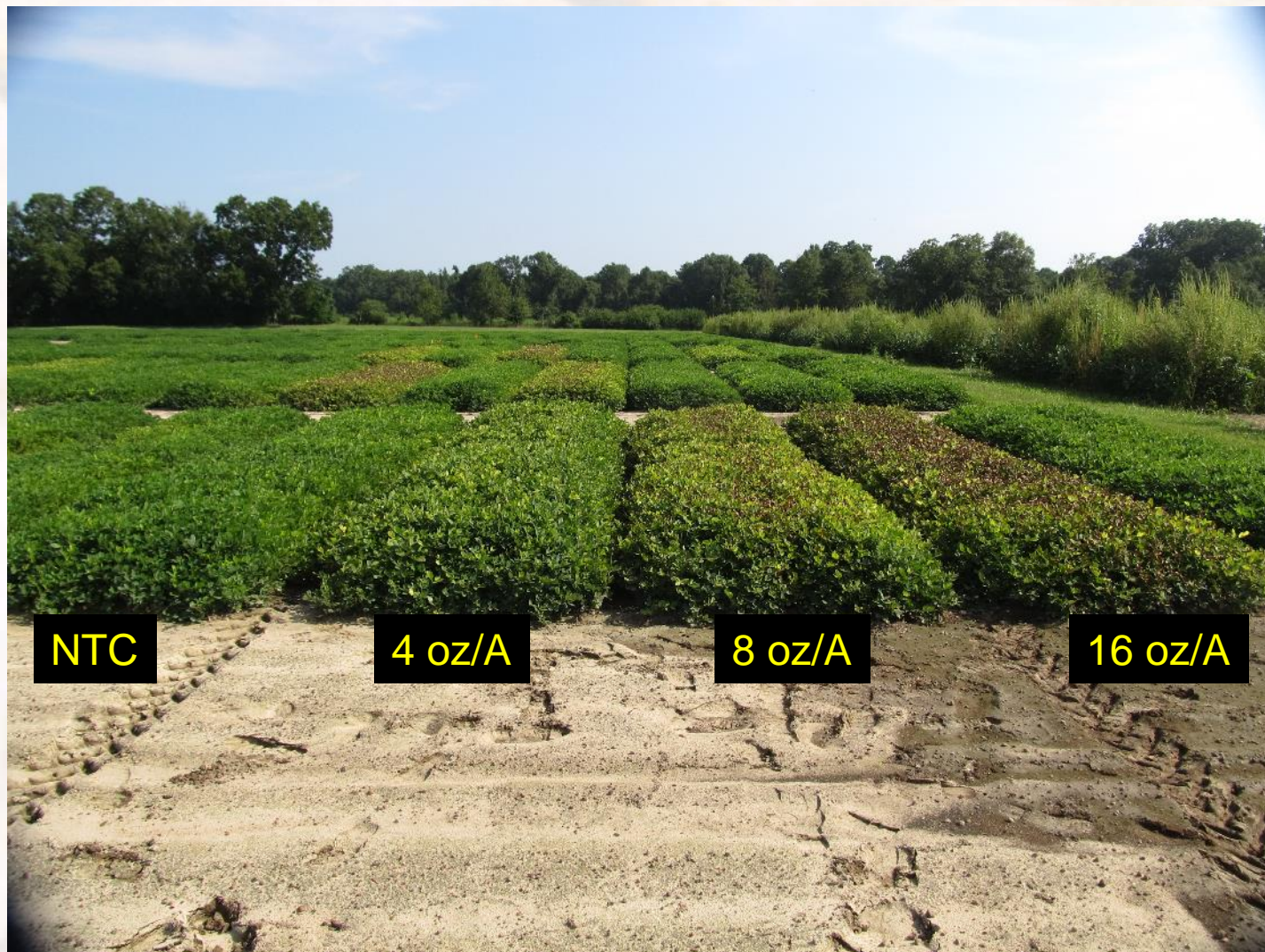


Planting Date: April 20
Sprayed: June 7
Picture: June 20
Tift Co. 2018

5900+ lbs/A



Diuron 4L Applied 93 DAP



NTC

4 oz/A

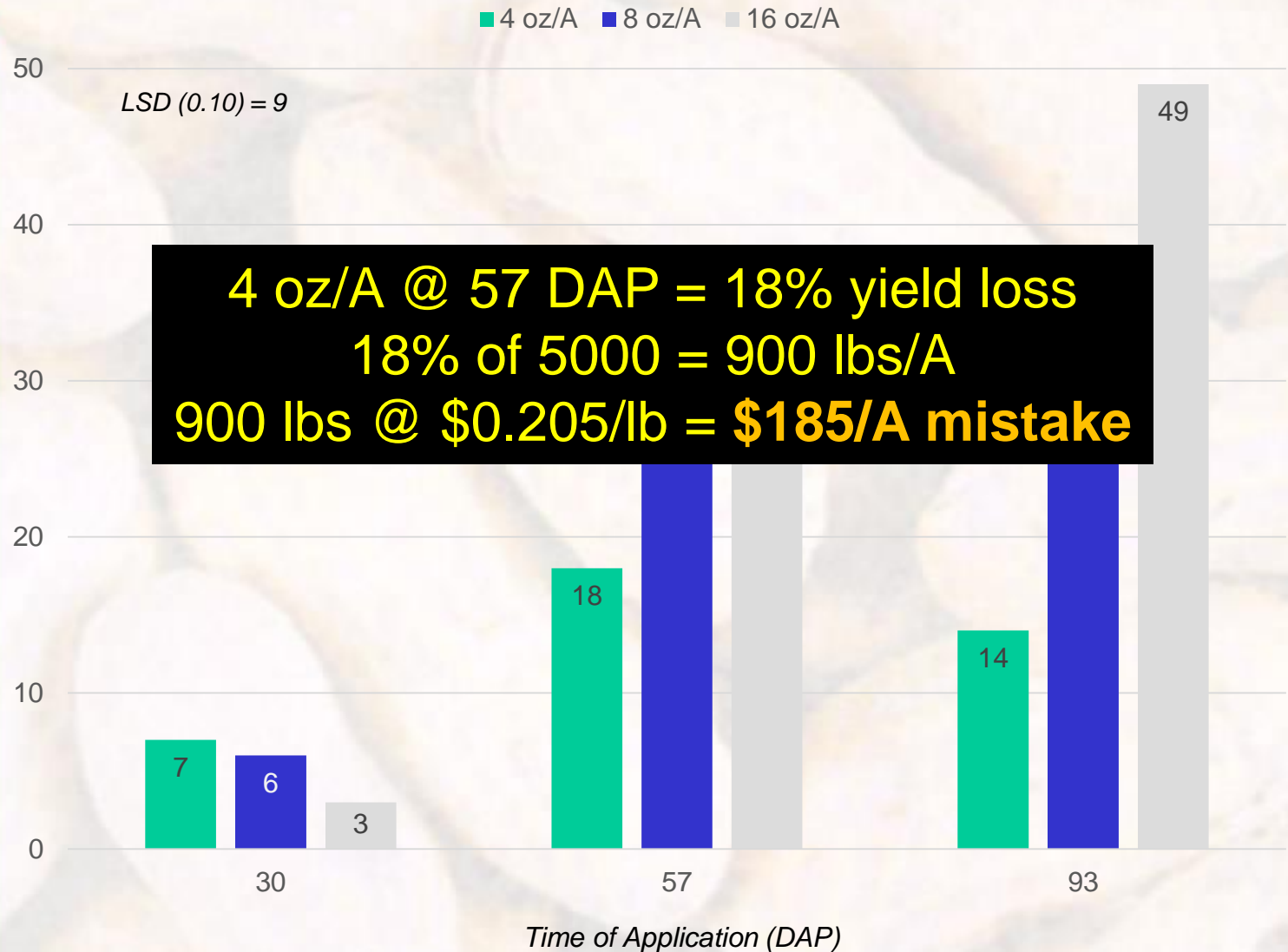
8 oz/A

16 oz/A

PE-02-19
August 14
106 DAP
13 DAT



Peanut (GA-06G) Yield Loss (%) From Diuron 4L



Equipment Problems





Sprayer/Nozzle Problems

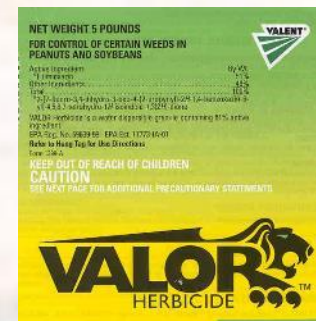
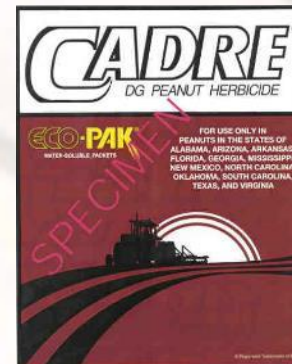


2,4-DB (14 DAP) then Gramoxone + Storm (21 DAP) then Gramoxone + Storm (28 DAP)
then Cadre + Dual Magnum + 2,4-DB (42 DAP)

~\$51/A mistake (4 applications + product) – not counting any yield loss from rate/timing

What's Your Pesticide IQ?

- How well do you know your products?
- When was the last time you really read the label?
- Label Bending?



Treatments applied 6 DAC; Photo at 3 DAT
GA-02C



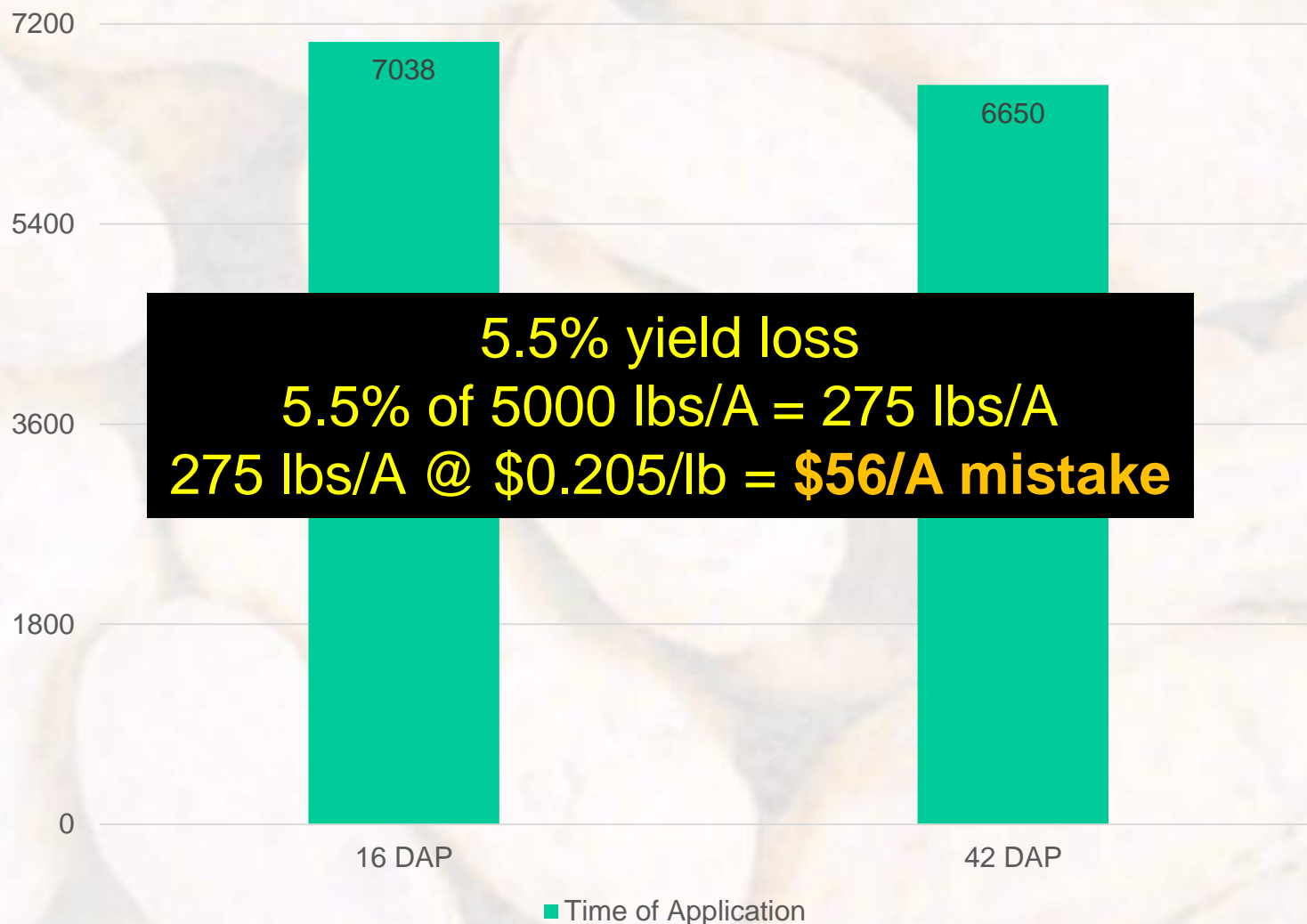
**GI @ 8 oz/A +
NIS @ 0.25% v/v**

**GI @ 12 oz/A + Basagran @ 8 oz/A +
NIS @ 0.25% v/v**



Peanut Yield (GA-16HO) As Influenced by Gramoxone Timing

(Averaged over 9 Gramoxone treatments)



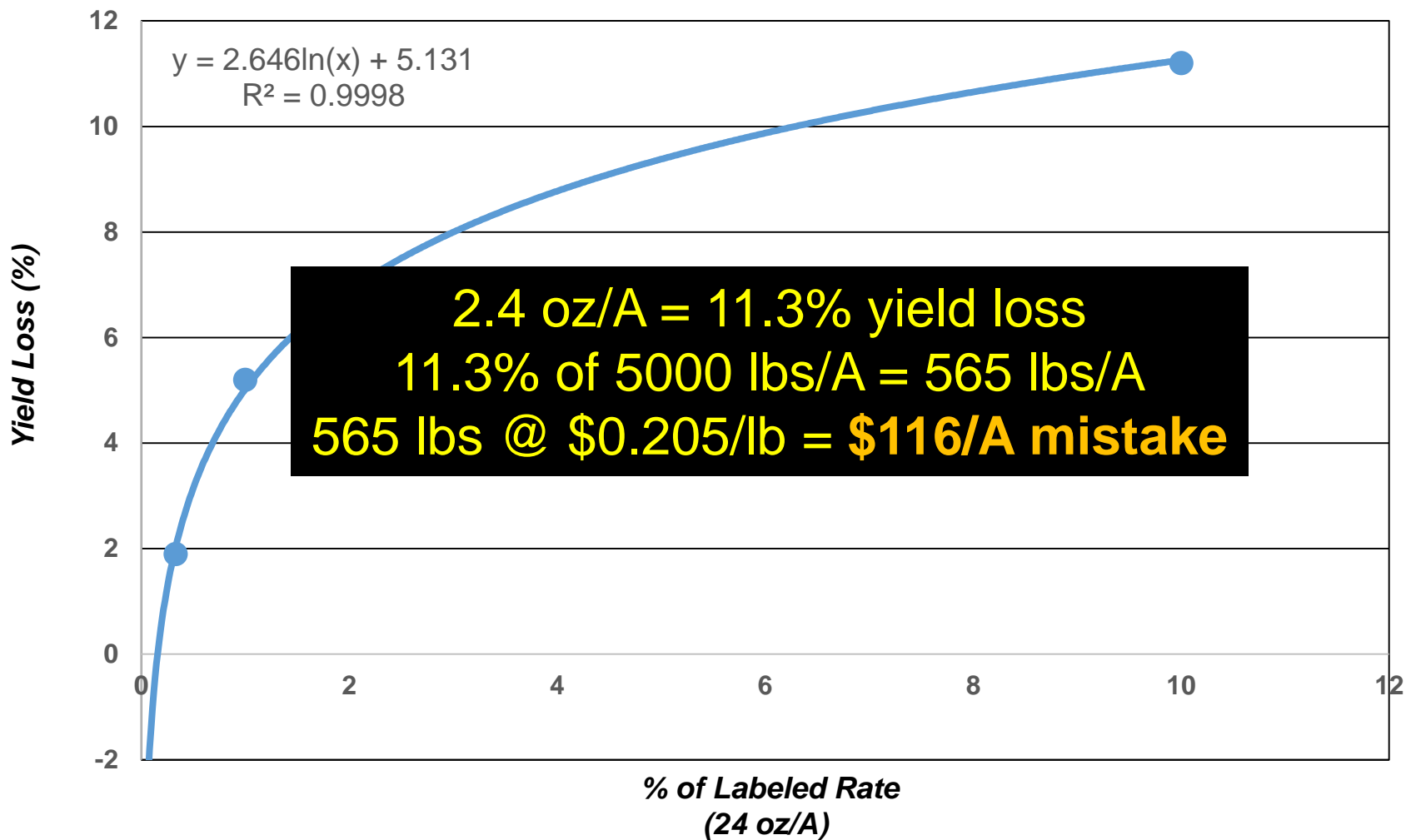
THSD (0.10) = 246
CV = 6.5

PE-07-18
weed-free
irrigated

Grazon P+D Injury



Peanut Yield Loss Caused by Grazon P+D 2.54SL in Georgia, 2015-2017.





Final Thoughts

- Avoid self-inflicted problems!
 - *STOP-DROP-ROLL*
 - *Rate X time of application (read label)*
 - *Sprayer clean-out*
 - *Pesticide containers*
 - *Rotation restrictions*
 - *Don't wait until "all the weeds" have come up*

Questions/Comments

