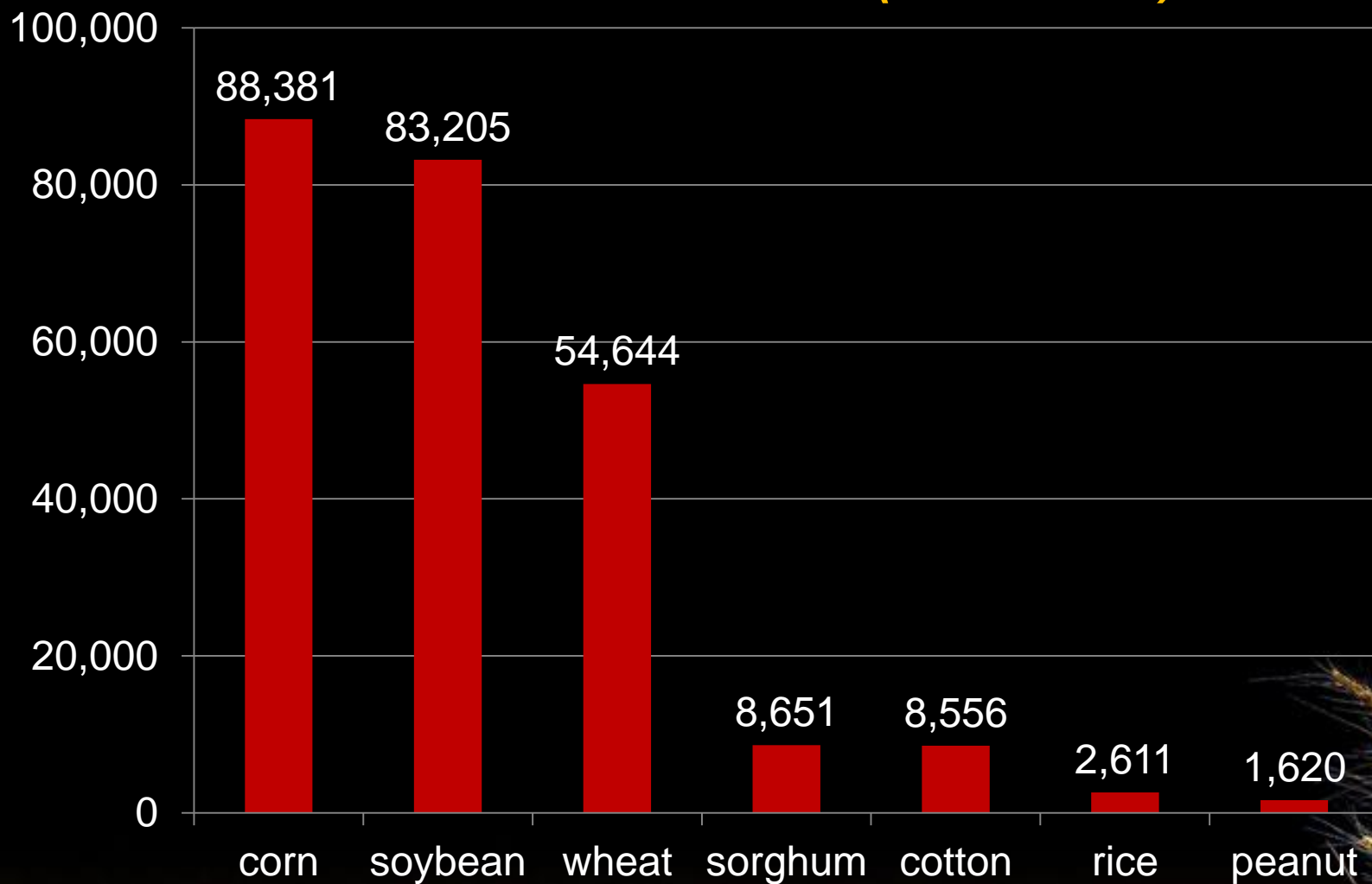


Why Are Some Herbicides Not Recommended By UGA?

Eric P. Prostko and A. Stanley Culpepper
Professors/Extension Weed Specialists
Dept. Crop & Soil Sciences

U.S. Crop Production – 2015

Acres Planted (X 1000)



Cotton vs. Soybean in SE



1,275,000 acres harvested in 2015
1.6% of US Total



1,720,000 acres harvested in 2015
21.1% of US Total

Herbicide Advertisements



It's time to shut down the party in your cornfield.

▶▶ If tough broadleaf weeds like giant ragweed, waterhemp and Palmer amaranth are laughing away at your current corn herbicide, it's time to make a switch. This year load the sprayer with Acuron, the new corn herbicide from Syngenta. With a brand-new active ingredient that herbicide-resistant weeds have never been up against, Acuron can wipe the nutrient-sucking smiles right off their faces. Learn more about Acuron at Acuron-Herbicide.com. And get the last laugh. ◀◀

 **Acuron**[™]  **syngenta**[®]

© 2015 Syngenta. Important: Always read and follow label instructions. Some crop protection products may not be registered for sale or use in all states or countries. Please check with your local extension services to ensure registration status. Acuron is a Restricted Use Pesticide. Acuron, the Alliance Frame, the Purpose Icon and the Syngenta logo are trademarks of a Syngenta Group Company. MW 1115006-8x10.5 09/15

Herbicides You Might Not Be Too Familiar With



Reasons for Not Recommending

- ◆ limited data
 - *would prefer 2-3 years of data*
 - *43 peanut trials with pyrooxasulfone (Zidua)*
- ◆ crop injury
- ◆ carryover
- ◆ weed efficacy
 - Texas panicum
- ◆ cost/A
- ◆ any better than current standards?



PRE Applied Balance Flexx Injury on Field Corn

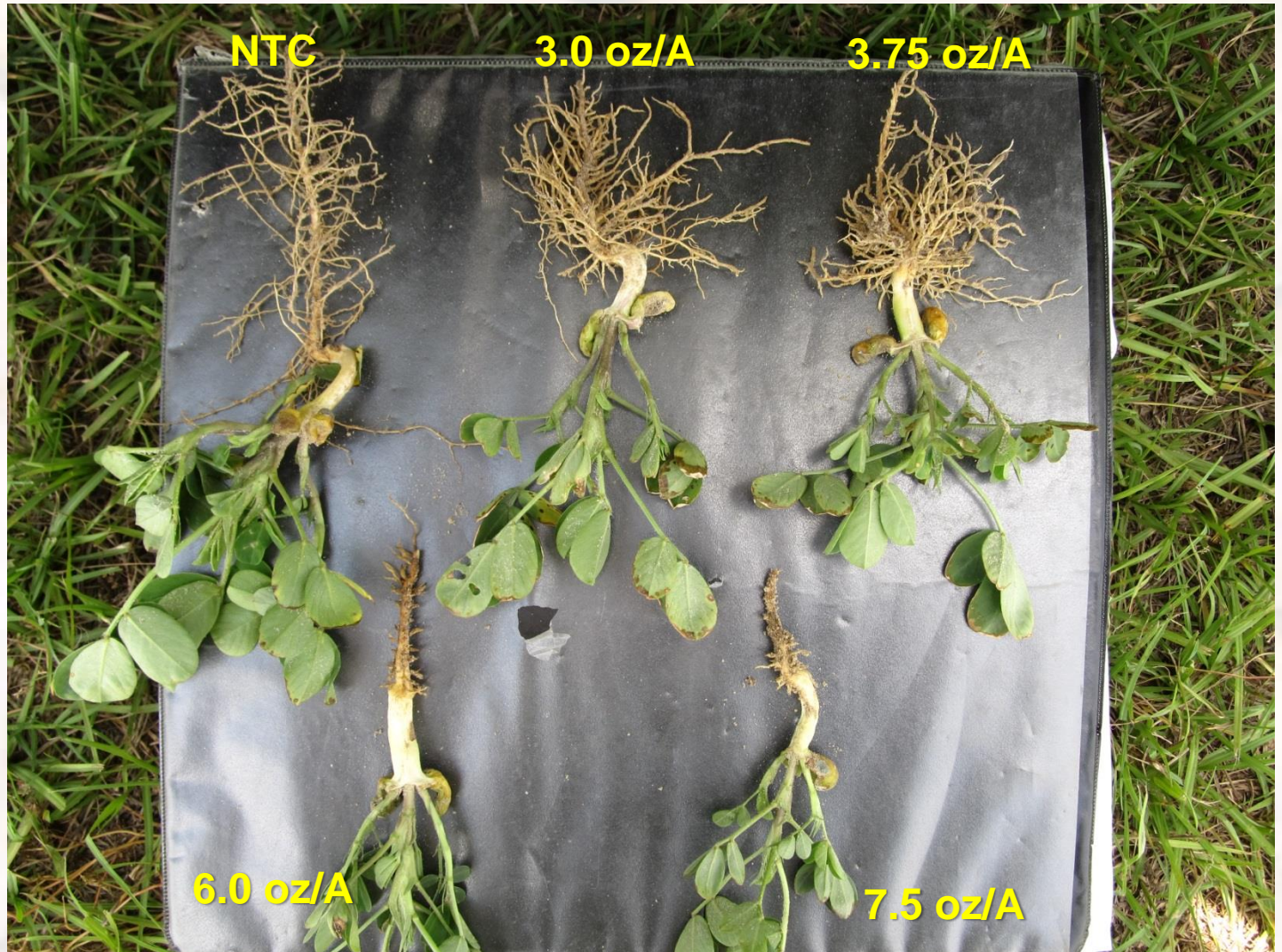


CN-10-12
April 6
11 DAT





Peanut Injury with Anthem Flex 4SE – 22 DAT



NTC

3.0 oz/A

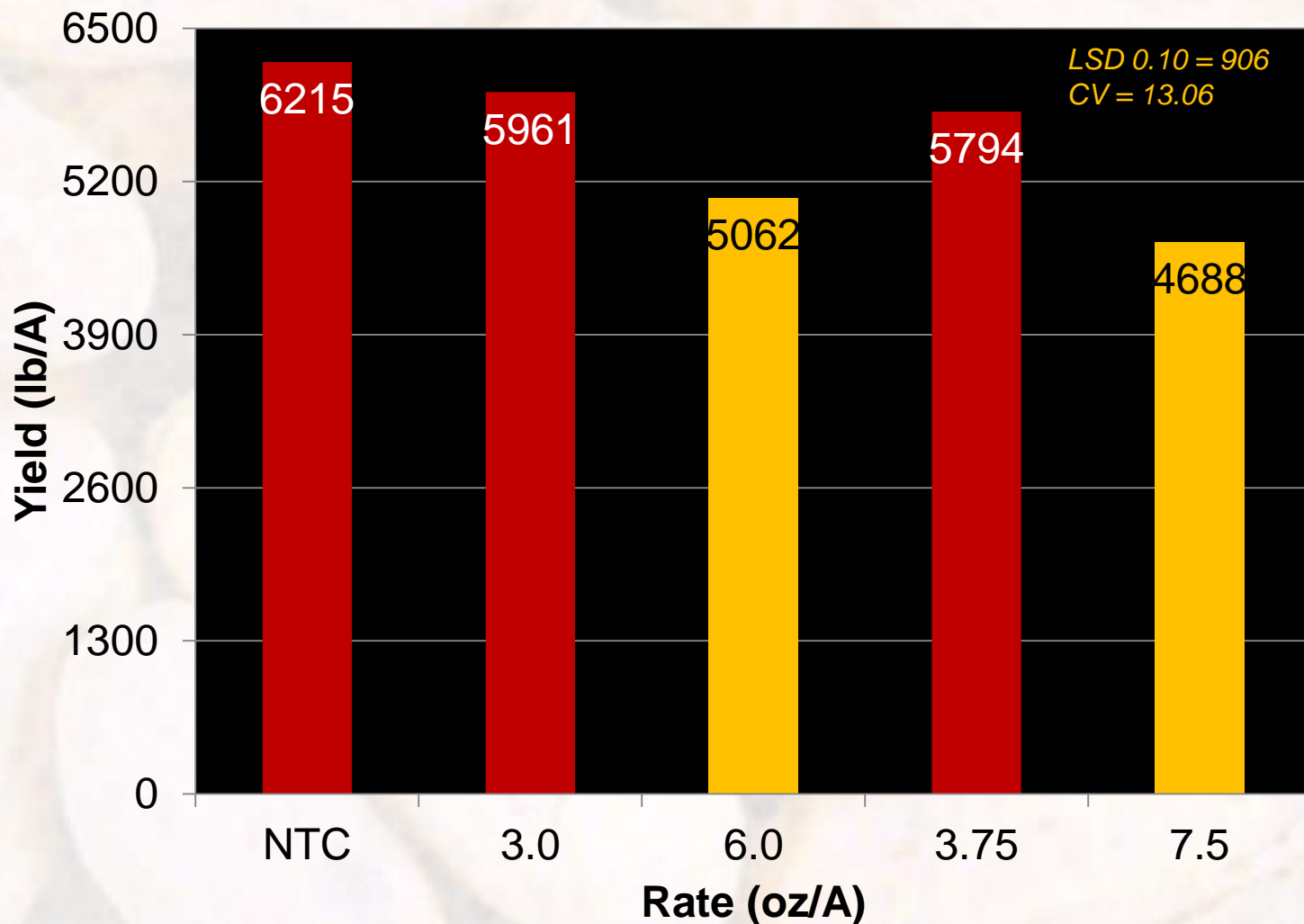
3.75 oz/A

6.0 oz/A

7.5 oz/A



Peanut Yield Response to PRE Applications of Anthem Flex - 2015



PE-01-15
Weed-free

Anthem Flex 4SE = pyroxasulfone (3.733 lbs) + carfentrazone (0.267 lbs)

Cadre vs. Flame in Peanut

- ◆ imazapic
- ◆ Cadre - US
- ◆ Flame – Australia
- ◆ Flame registered for PRE/POST use in peanut
- ◆ Cadre Registered for POST use only

◆ WHY??

- Increased rotational crop issues (i.e. cotton)
- less control of Florida beggarweed



Soil Types

Southeast vs. Midwest

	Ponder Farm - UGA	South Charleston, OH	Concord, NB	Ames, IA
Soil Texture Class	loamy sand	silty clay loam	silty clay loam	clay loam
% OM	0.77	3.0	2.8	5.5
CEC (meq/100 g)	2.6	19.5	19.7	30.6
Sand (%)	92	0-20	10	20-45
Silt (%)	6	60-70	58	15-55
Clay (%)	2	30-40	32	25-40

Midwest Weed Control Programs

Soybeans			
PPLNT	PRE	POST1	POST2
Valor XLT + 2,4-D + Glyphosate		Glyphosate + Flexstar	Glyphosate
Canopy + Sencor + 2,4-D + Glyphosate		Glyphosate + Cobra	Glyphosate
Glyphosate + Sharpen		Glyphosate + Warrant	Glyphosate + Cobra

Field Corn	
PRE	POST
Lumax or Lexar (2/3 rd rate)	Glyphosate + Distinct, Impact, or Laudis
Corvus or Verdict + atrazine	Roundup or Liberty
Atrazine premix (2/3 rd rate)	Glyphosate + Distinct, Impact, or Laudis, Halex GT

Source: Dr. Bill Johnson, Purdue University (11/12/2015)

Bottom Line

- ◆ usually a very good reason why herbicides are not recommended by UGA or listed in Pest Control Handbook
- ◆ do not assume a label in another state/country will work in GA!

