

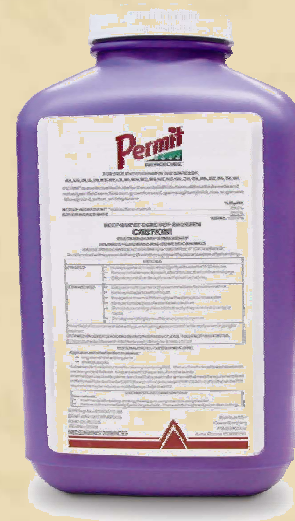
★ Unmatched Flexibility ★ Unparalleled Crop Safety ★ Powerful Residual ★ Exceptional Performance ★

Permit[®]



HERBICIDE

Plan with Purple



★ Unmatched Flexibility ★ Unparalleled Crop Safety ★ Powerful Residual ★ Exceptional Performance ★





When you need to get tough weeds,
Plan with Purple

Registered Crops - Delta:

- ✓ Field corn
- ✓ Seed corn
- ✓ Popcorn
- ✓ Sweet corn
- ✓ Grain sorghum
- ✓ Dry beans
- ✓ Fallow ground
- ✓ **Rice**
- ✓ Sugarcane
- ✓ Cotton



Product Specifics



- ✓ ai: Halosulfuron-methyl, ALS inhibitor/sulfonylurea
- ✓ Absorbed by roots, shoots, foliage of target weeds
- ✓ **Translocated** herbicide; inhibits amino acid / protein production at growing point(s)
- ✓ Excellent **residual** once activated by soil moisture
- ✓ 75 WG formulation; typical rate 0.67 oz/A
- ✓ **Mix compatible**
 - ✓ Newpath, Command, Regiment, Grasp, Grandstand, Facet, Duet, 2, 4-D, propanil, Glyphosate, etc. for Rice





Key Weeds Controlled “7 Biggies”

1. Yellow nutsedge
2. Purple nutsedge
3. P. Smartweed
4. Hemp Sesbania
5. Jointvetch
6. Dayflower
7. Rice Flatsedge



Rice Yield Loss From Season Long Competition

Weed Species	Potential Yield Loss, %	Critical Control Time
Duck Salad	21	Mid-Season
Coffee Bean	19	Mid-Season
Dayflower	18	Mid-Season
Northern Joint Vetch	17	Mid-Season
Eclipta	10	Mid-Season

Common Weeds in Rice Samples



Northern Jointvetch

Sicklepod



Morningglory

Johnsongrass



Hemp sesbania

Rice Grades

Discounts for Black Weed Seeds and Other Seeds

Grade	Discounts, \$ per bushel
1 & 2	No Discount
3	\$ 0.14 / bu
4	\$ 0.28 / bu
5	\$ 0.45 / bu

A 1.5 lbs rice sample is examined for weed seeds.
Reductions in grade begin at 10 weed seeds per 1.5 lbs
rice sample (28,500 rice seeds)

Newpath/Permit Tankmix Performance

	Barnyardgrass	Crabgrass	Broadleaf Signal	Red rice	Sprangletop	Nutsedge	Flatsedge	Eclipta	Coclebur	Dayflower	Ducksalad	Jointvetch	Hemp Sesbania	Penn. Smartweed
Permit						9	9	8	9	8	3	9	9	8
Newpath (2 apps)	9	9	9	9	6	8	9		9	5	8			9
Newpath fb Newpath + Permit	9	9	9	9	6	9	9	8	9	8	8	9	9	9

Consensus of Data: UA (MP44), LSU (Rice Weed Control Guide), Gowan Data



Newpath Tankmix Performance

Treatments	Yellow Nutsedge	Coffee Bean
Newpath 4 oz/A fb NP 4 oz/A	74	0
NP 4 oz/A + Permit 0.75 oz/A fb NP 4 oz/A	94	49
NP 4 oz/A fb NP 4 oz/A + Permit 0.75 oz/A	95	95



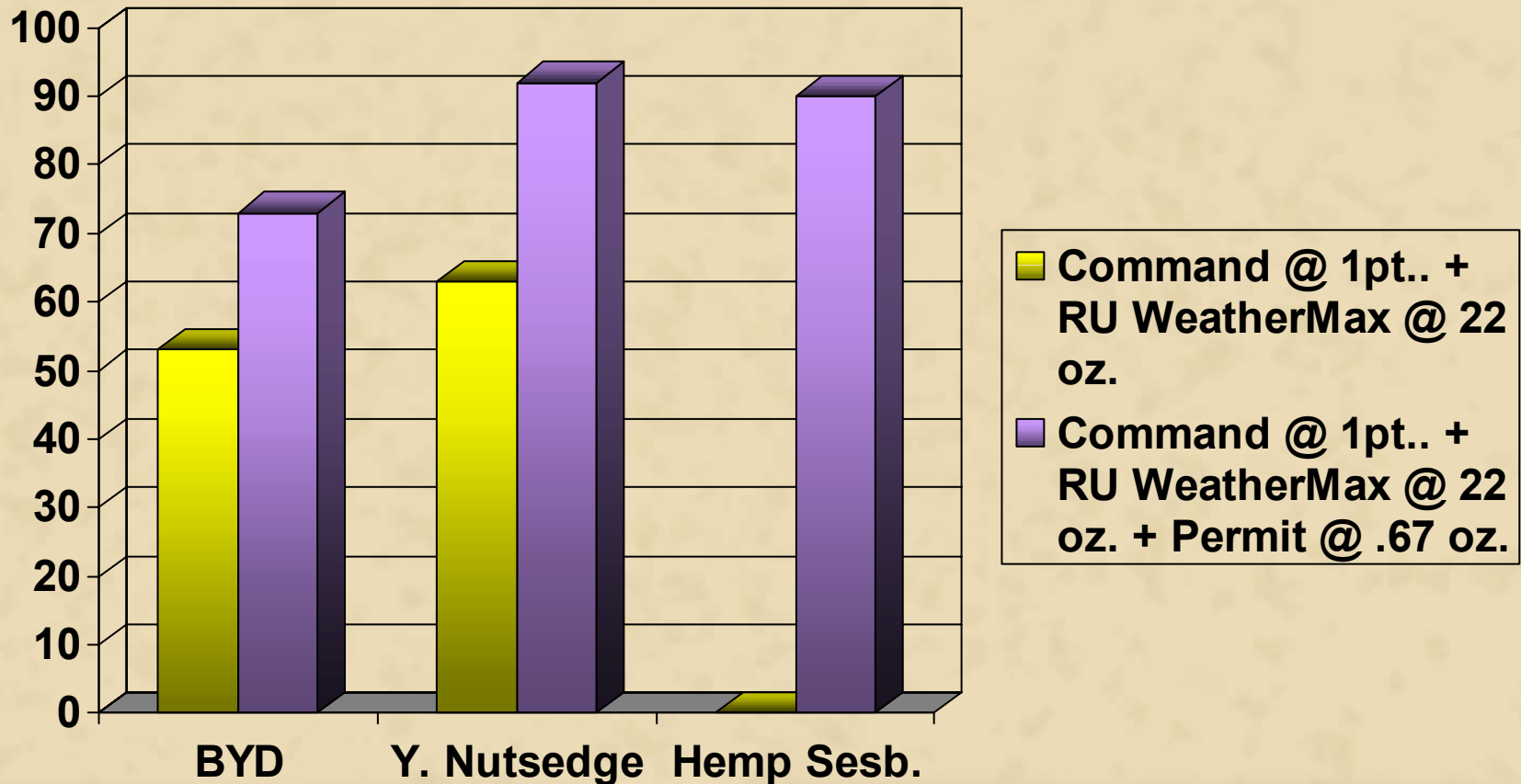
Weeds controlled (Pre)

- Common Cocklebur
- Corn Spurry
- Dayflower
- Eclipta
- Horseweed/Marestail
- Jimsonweed
- Kochia
- Lambsquarter
- Pigweed *(not ALS resistant)
- Wild Mustard
- Common Ragweed
- Shepardspurse
- Pennsylvania Smartweed
- Sunflower
- Velvetleaf
- Nutsedge and Flat Sedge (suppression)



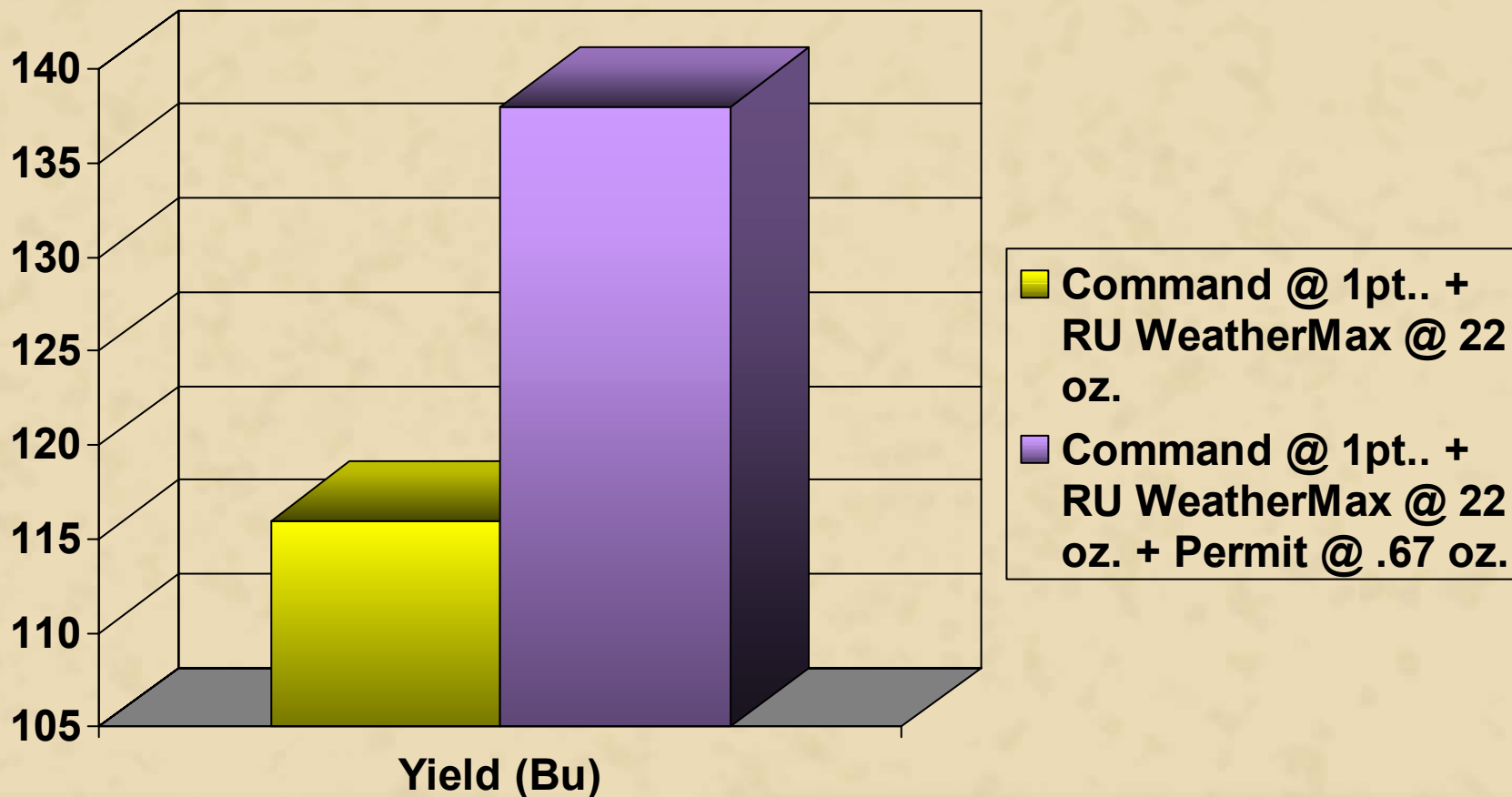
Tankmix performance with Command + Round Up WeatherMax 14 DPP (% control at 39 DAT)

Bill Williams – LSU (PER-07-02-T1)



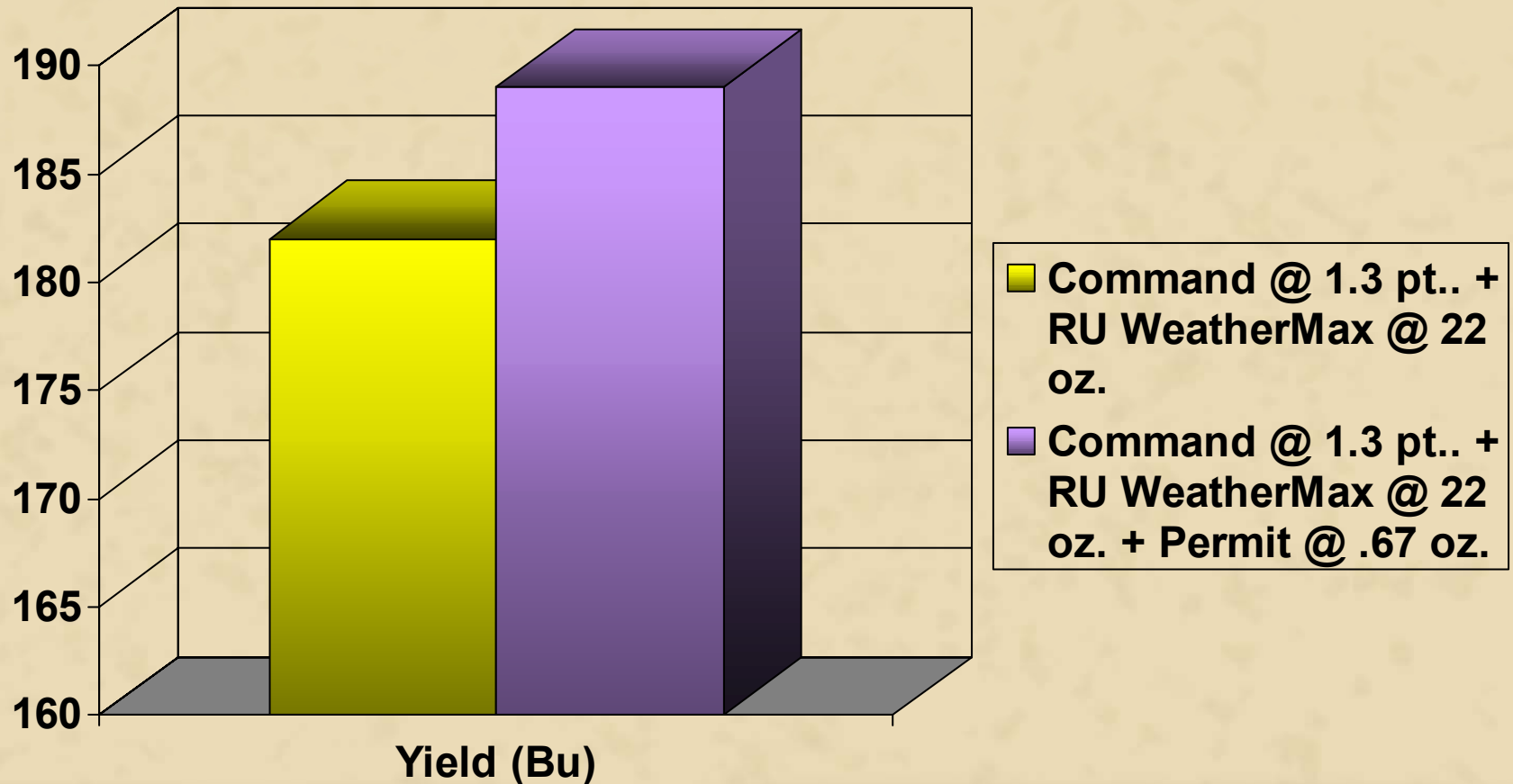
Tankmix performance with Command + Round Up WeatherMax 14 DPP

Bill Williams – LSU (PER-07-02-T1)



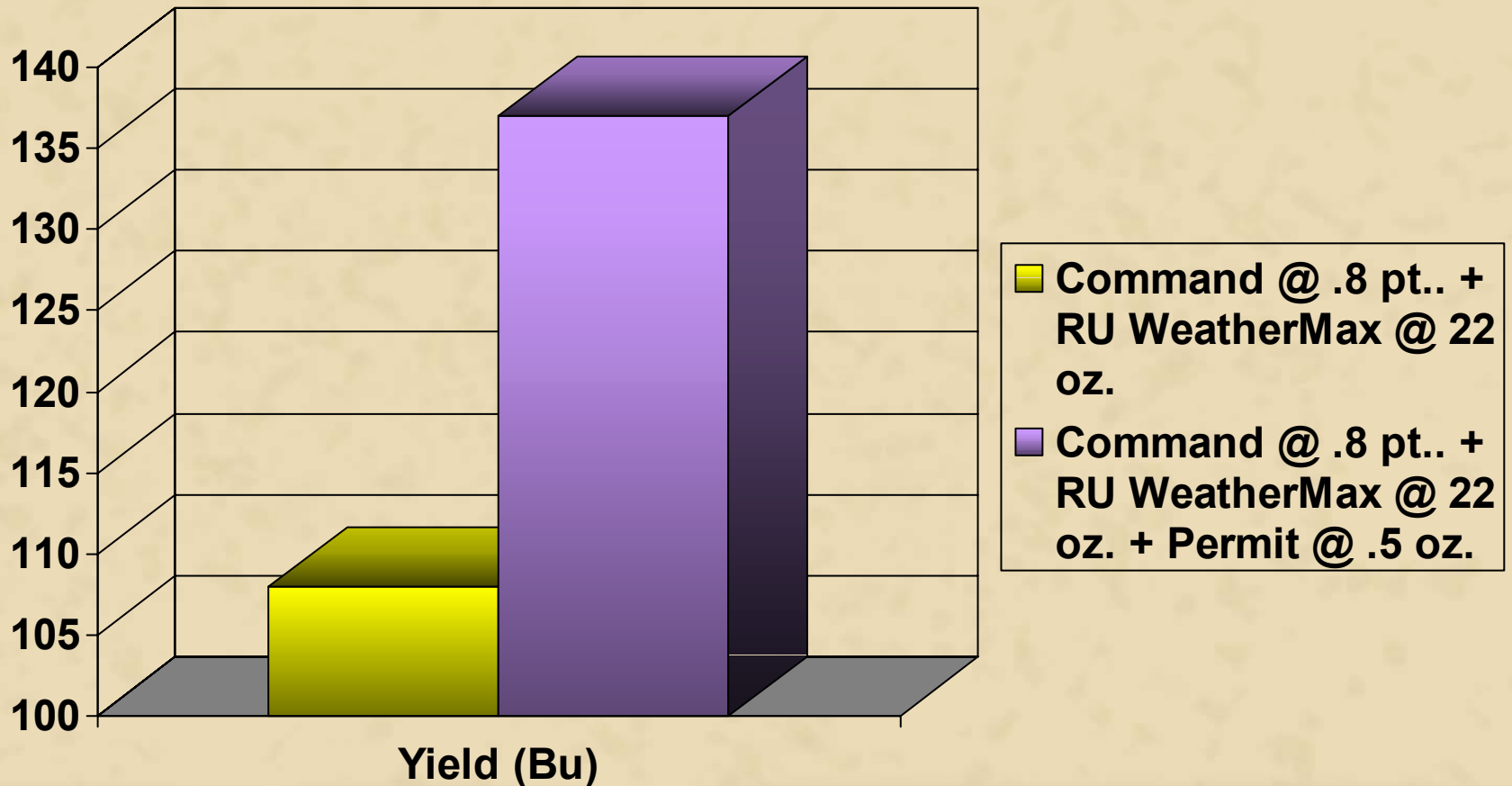
Tankmix performance with Command + Round Up WeatherMax 14 DPP

Jason Bond – Mississippi State (PER-07-02-T3)



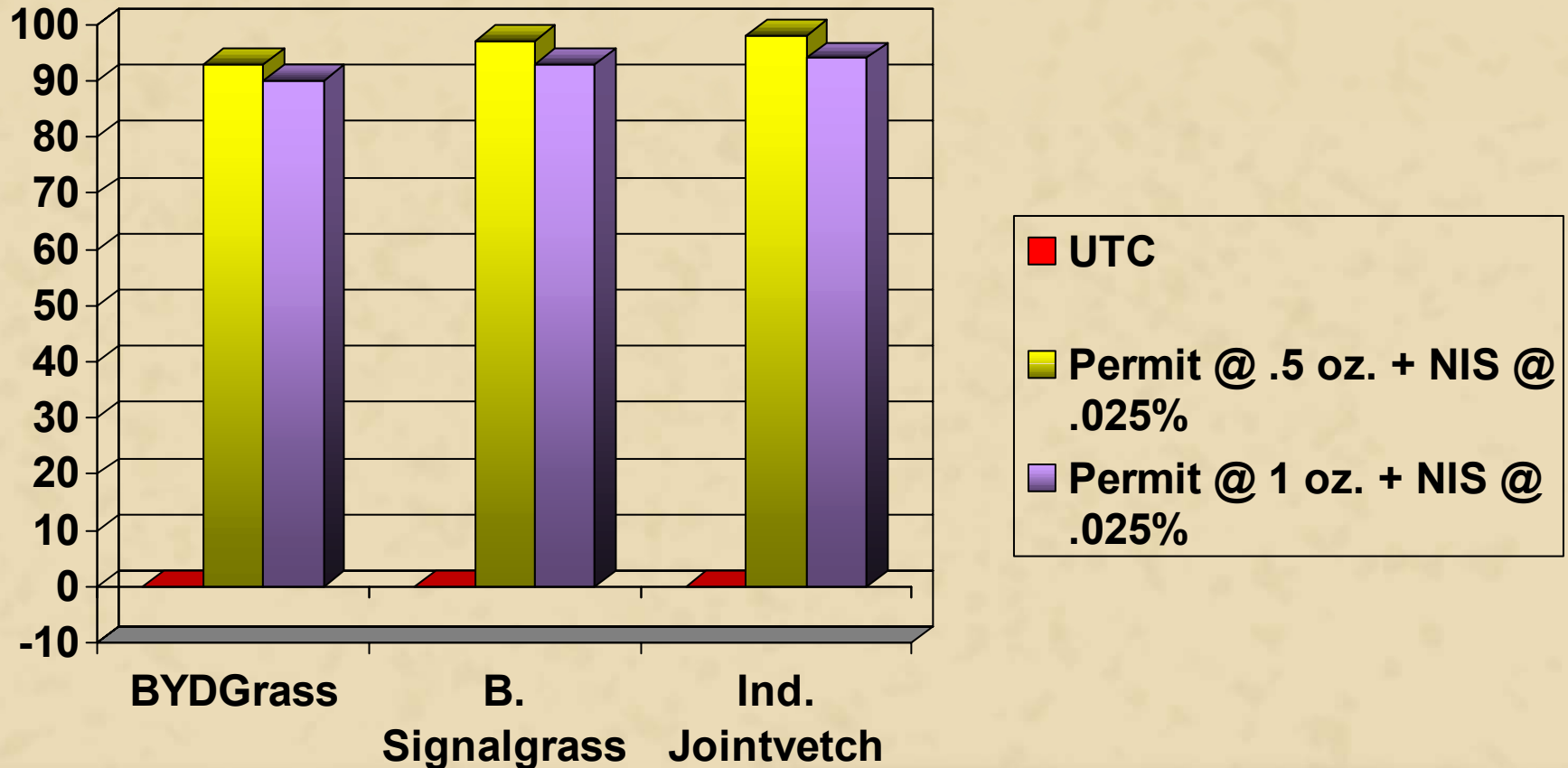
Tankmix performance with Command + Round Up WeatherMax

10 - 14 DPP Mike Chandler – Texas A & M (PER-07-10-T1)



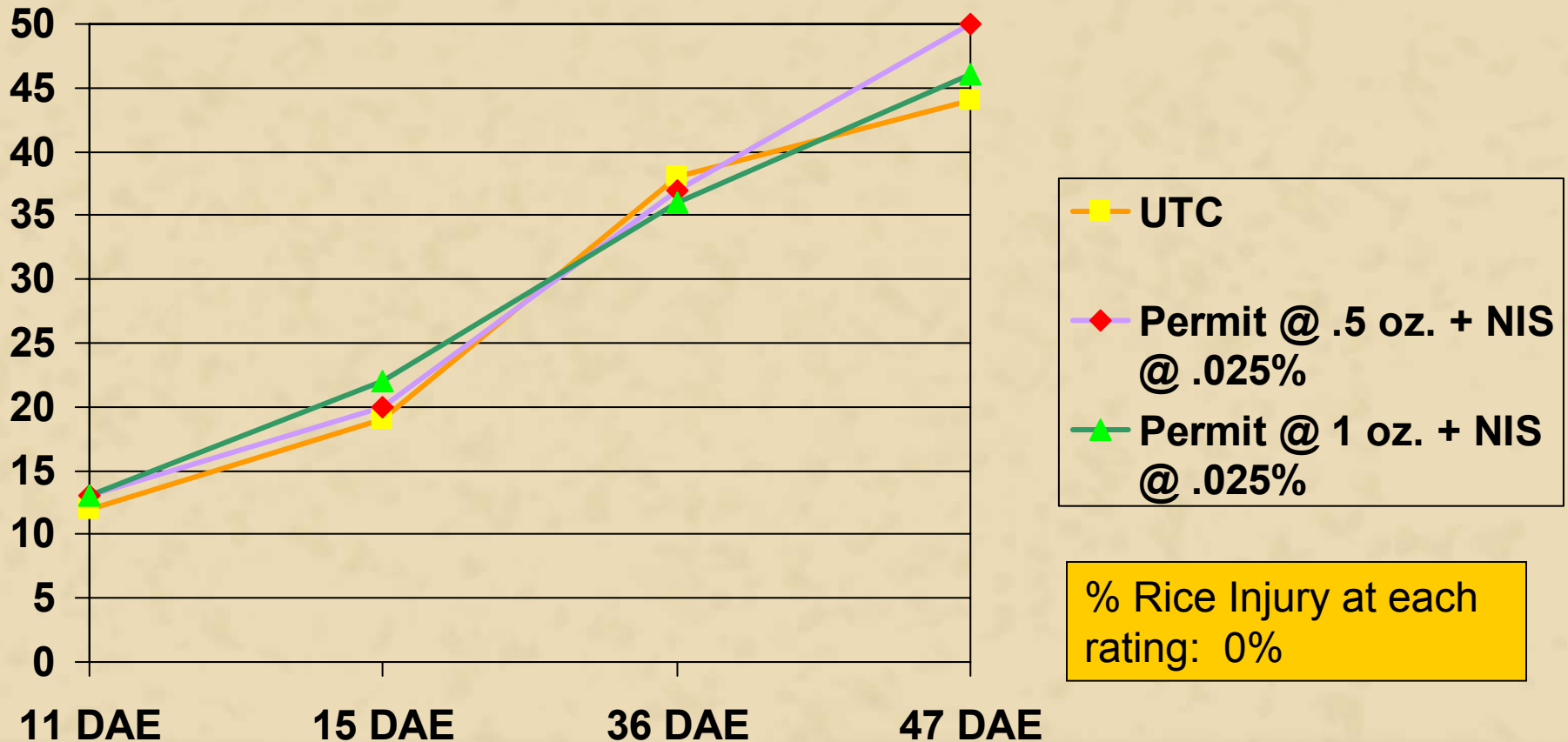
Permit Pre-plant Study 14 DPP (% control at 11 DAE) Water Seeded Trial

Eric Webster – LSU (PER-07-02-T1)



Permit Pre-plant Study14 DPP Rice Injury Study (Rice Height Measurements in cm)

Eric Webster – LSU (PER-07-02-T1)



Application Timing for Rice



- Pre-plant burndown*
 - (supplemental label has been submitted to EPA)
- pre-emergent
- post emergent (48 day PHI)

Add:

- NIS or COC
- AMS or UAN



Key Features & Benefits Wrap-up



- ✓ **Weed spectrum** (great on sedges plus a whole lot more)
- ✓ Tank mix **compatible** with almost all rice herbicides
- ✓ **Fits any rice acre** or technology (i.e. Clearfield, Hybrids)
- ✓ **Residual and Pre activity** for cleaner fields
- ✓ **Outstanding crop safety** (PP, PE, POST)
- ✓ **Application flexibility** (air vs. ground, wide window)



Thank You!!!

