



Gowan[®]
The Go To Company
Yuma, Arizona



Kevin Stewart – Sales (Midsouth)

**Keith Majure – Market Development/Tech. Service
(Midsouth/Southwest)**

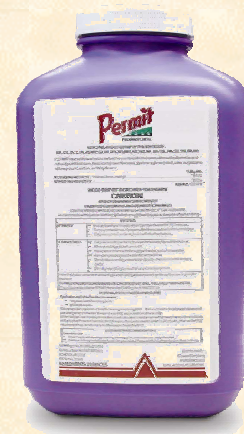


•Rice:

✓ The best value for safe control of sedges, broadleaf weeds, and aquatics – a key ingredient to your weed control strategy in rice

➤Benefits:

- Standard of excellence for sedge control
- Control of aquatic weeds and vetches
- Excellent crop safety
- Application flexibility: pre-emergence to 48 day prior to harvest
- Tank mix flexible: Permit has many tank mix partners

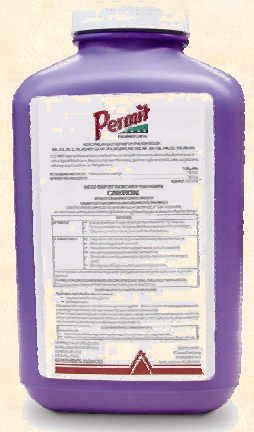




Great on Nutsedge and a whole lot more!



(watch and see)



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)

Weeds controlled (Post)

- Nutsedge (Yellow and Purple)
- Rice flatsedge
- Cocklebur
- Dayflower
- Eclipta
- Jointvetch
- Hemp sesbania
- Ragweed
- Pennsylvania Smartweed
- Prickly Sida
- Velvetleaf
- Etc.
- ***Rates and Tank-mix flexibility allows for economical “prescription” weed control**

Recommended Tank-mix Partners

- Command & Command/SuperWham (early post)
- Newpath (blackseeded weeds, i.e. coffeebean)
- Grasp (sedges, smartweed, eclipta, hemp sesbania)
- Grandstand (Texas Gourd)
- Aim
- Londax
- Facet
- Regiment
- Stam
- 2-4 D (late season weed control)
- Round Up (pre-plant burndown or post plant, pre-emergent)

Hemp Sesbania Control with Permit + Adjuvants

Trial ID: HRI-32606

Investigator: Kenneth Smith

- Conclusion: There were no differences in control of hemp sesbania among treatments or between application timings. Control 32 days after postflood applications was 98% with all treatments regardless of adjuvant.
- Timings:
 - Weed stage A: 8-12"
 - Weed Stage B: 12-20"



Evaluation of Pre-plant Applications of Permit and Glyphosate

Dr. Bill Williams, LSU Ag Center

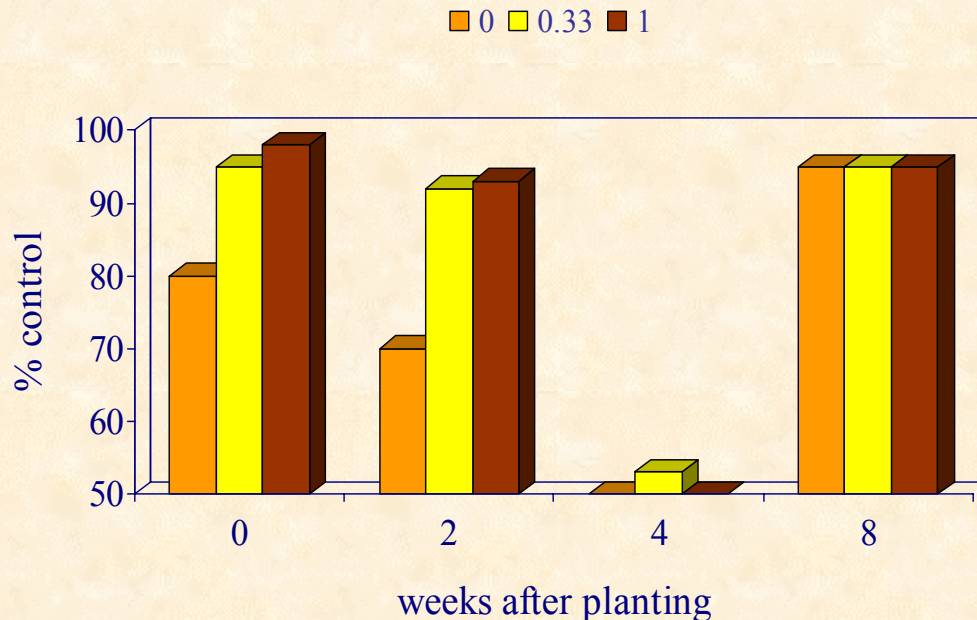


Figure 2. Hemp sesbania control with preplant applications of Permit. A season total of 1.33 oz/A of Permit was divided between a preplant application with glyphosate 3 WBP and preflood application with 0.5 oz/A Regiment 4 WAP. The legend shows the amount used in the preplant application. Glyphosate at 1 lb ai/A plus 1.33 pt/A Command was applied at planting.

Evaluation of Pre-plant Applications of Permit and Glyphosate

Dr. Bill Williams, LSU Ag Center

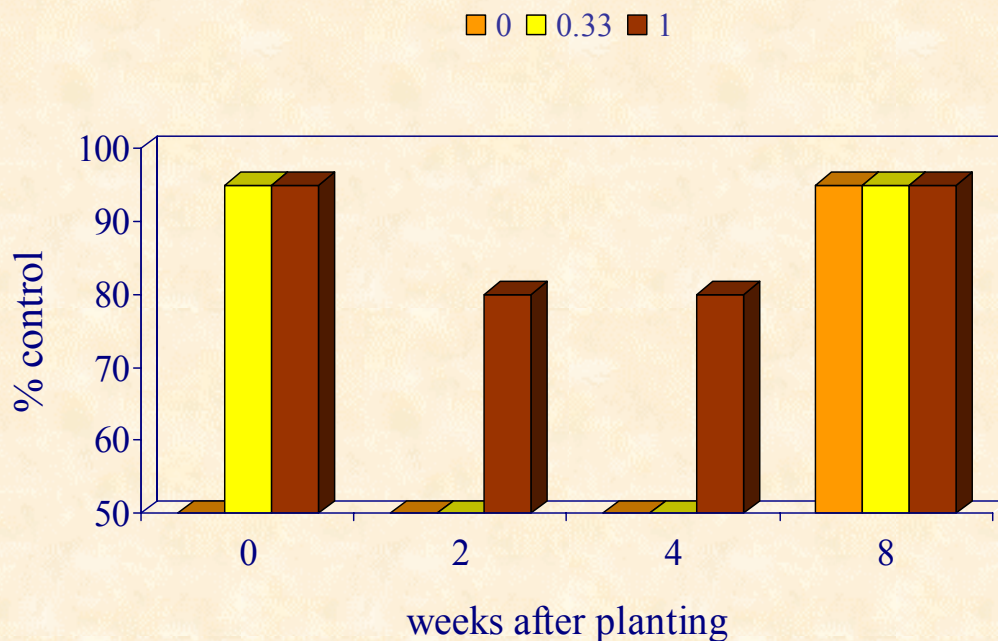


Figure 3. Rice flatsedge control with preplant applications of Permit. A season total of 1.33 oz/A of Permit was divided between a preplant application with glyphosate 3 WBP and preflood application with 0.5 oz/A Regiment 4 WAP. The legend shows the amount used in the preplant application. Glyphosate at 1 lb ai/A plus 1.33 pt/A Command was applied at planting.

Evaluation of Pre-plant Applications of Permit and Glyphosate

Dr. Bill Williams, LSU Ag Center

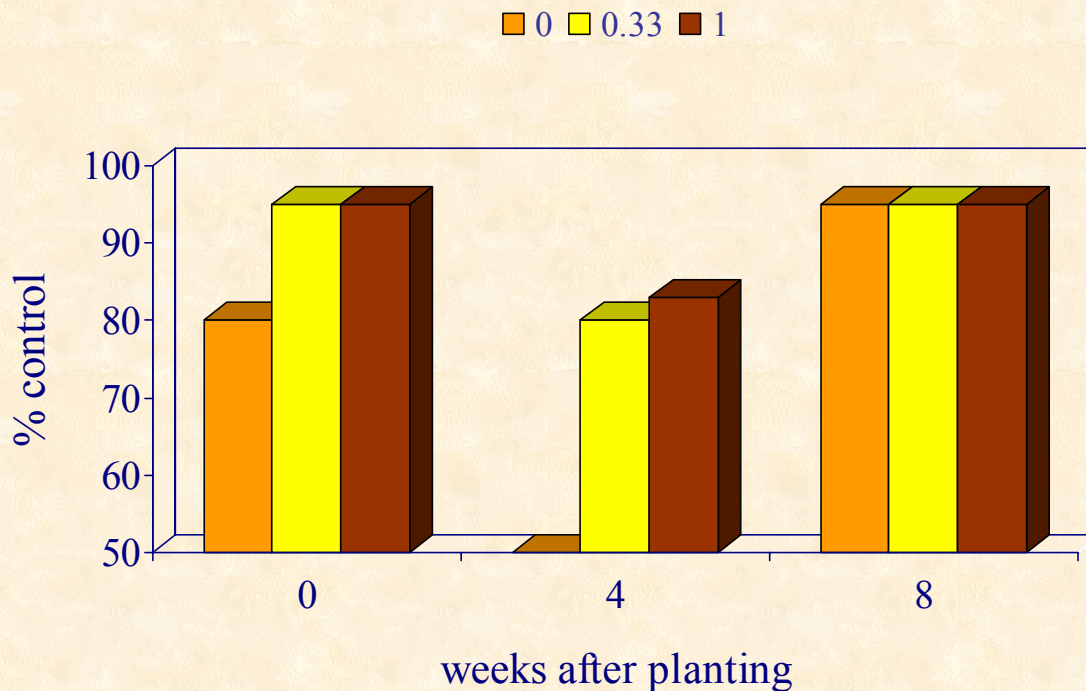


Figure 4. Yellow nutsedge control with preplant applications of Permit. A season total of 1.33 oz/A of Permit was divided between a preplant application with glyphosate 3 WBP and preflood application with 0.5 oz/A Regiment 4 WAP. The legend shows the amount used in the preplant application. Glyphosate at 1 lb ai/A plus 1.33 pt/A Command was applied at planting.

Evaluation of Pre-plant Applications of Permit and Glyphosate

Dr. Bill Williams, LSU Ag Center

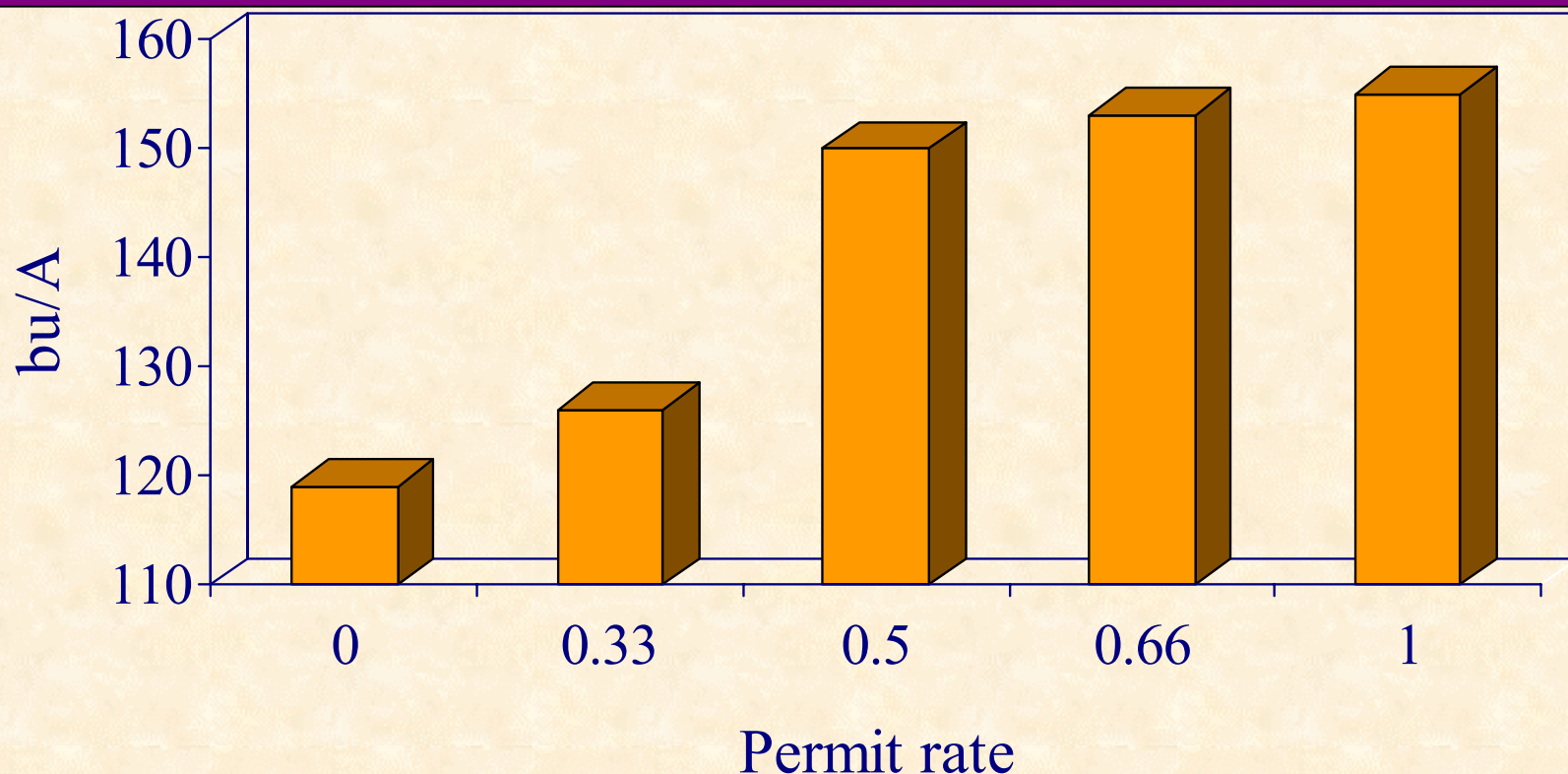


Figure 7. Rice yield as affected by preplant applications of Permit. Permit was applied 3 weeks before planting in combination with glyphosate. Glyphosate at 1 lb ai/A plus 1.33 pt/A Command was applied at planting and followed by 0.5 oz/A Regiment 4 weeks after planting.

Evaluation of Pre-plant Applications of Permit and Glyphosate

Dr. Bill Williams, LSU Ag Center

CONCLUSIONS

- Early season interference from broadleaf weeds and sedges can reduce rice yields.
- Permit can provide some early season suppression of broadleaf weeds and sedges, resulting in improved rice yield.



Courtesy of Dr. Bill Williams - LSU

Label Highlights

- Post-directed use in cotton
- Pre-plant burndown - Rice
- Pre-harvest interval: 48 days
 - Restriction removed; Can be legally used post-flood

Common Weeds in Rice Samples

Sicklepod



Johnsongrass



Morningglory



Northern Jointvetch



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 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

Research Projects

- Shorten planting intervals on **cotton, rice, soybeans** and wheat
- **STS Tolerance?**
- Evaluate higher rates for increased weed control
- Identify new timing and application methods in rice (pre to late season)
- Evaluate new uses in other row crops.
- Evaluate tank-mix partners in rice, corn and sugarcane

Take Home Message

- Permit is a Perfect Tank-mix Partner for “Prescription” Weed Control
- Permit is a Nutsedge compound AND a whole lot more
- Permit also has a great fit PRE when tankmixed w/ Command and Glyphosate
- Permit compliments the Clearfield System
- Permit can be applied up to 48 days PHI