



Gowan[®]

The Go To Company

Yuma, Arizona



Kevin Stewart – Sales (Midsouth)

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



Equipped
for the Extremes



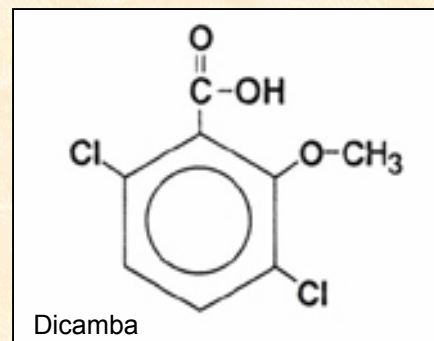
*Extreme control of annual broadleaf weeds
and nutsedge in Field Corn, Sorghum, &
Sugarcane*



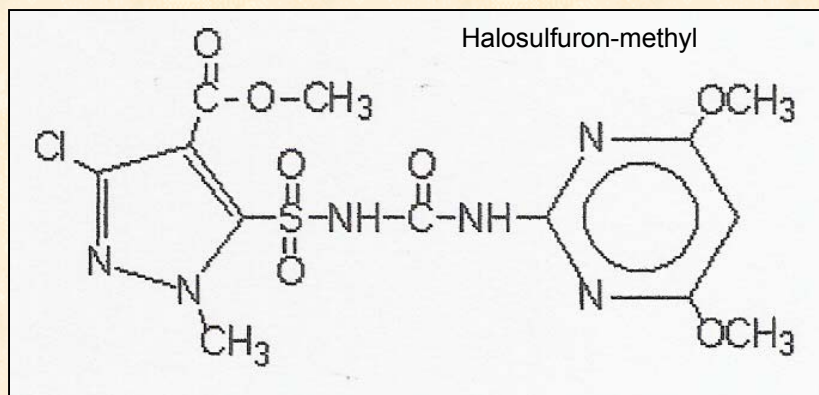
✓ ***Yukon – For effective performance in Corn, Sorghum, and Sugarcane***

➤ **Benefits:**

- Two modes of action for increased activity on tough broadleaf weeds
- Excellent nutsedge control
- Added residual
- Good crop safety
- Great management tool for glyphosate resistant or tolerant weeds
- Tank mix flexible
- Can be applied by ground or air
- Resistance management



Modes of Action







Active Ingredient #1 Halosulfuron-methyl

.....Powered by **Permit**
HERBICIDE

Broadleaf Weed Control

-  Especially Cocklebur, Pigweed species, Sunflower, Velvetleaf
-  Control or suppressive to many others

Best Nutsedge Product Available

Residual herbicide

ALS-inhibitor herbicide

Purple Nutsedge (*Cyperus rotundus* L.)



Yellow Nutsedge (*Cyperus esculentus* L.)



Slide compliment of Dr. Jim Griffin

Weed Competition at Planting

- Weeds Compete for Moisture
- Weeds Compete for Nutrients
- Weeds May Produce Allelochemicals (toxins that enter the soil and prevent normal development of other plants)
- Weeds continue to Grow (i.e. 4 nutsedge tubers planted in a pot and left undisturbed yielded 116 tubers 62 days later)
- Interfere with opening of rows

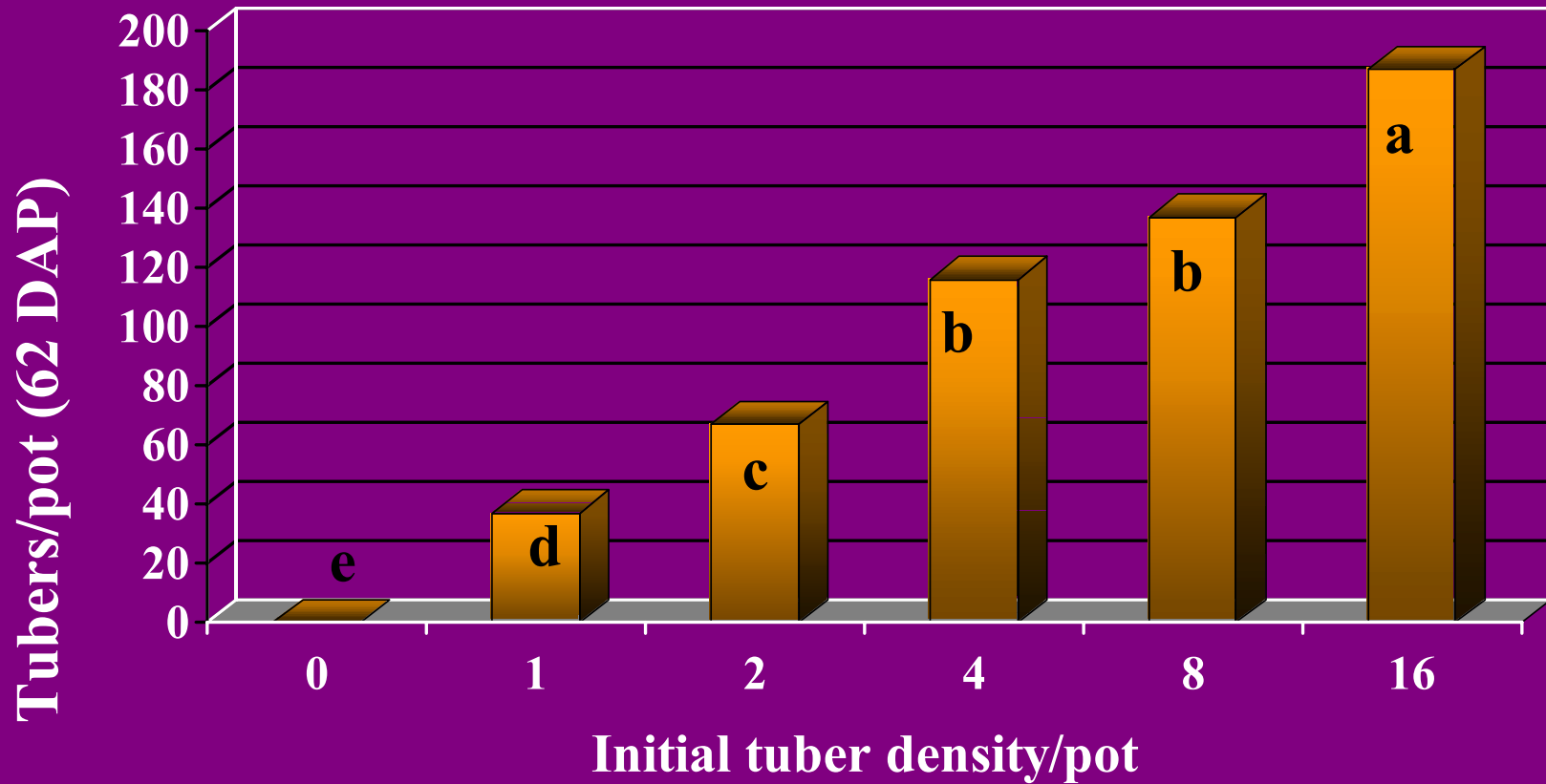
Purple Nutsedge Competition Study

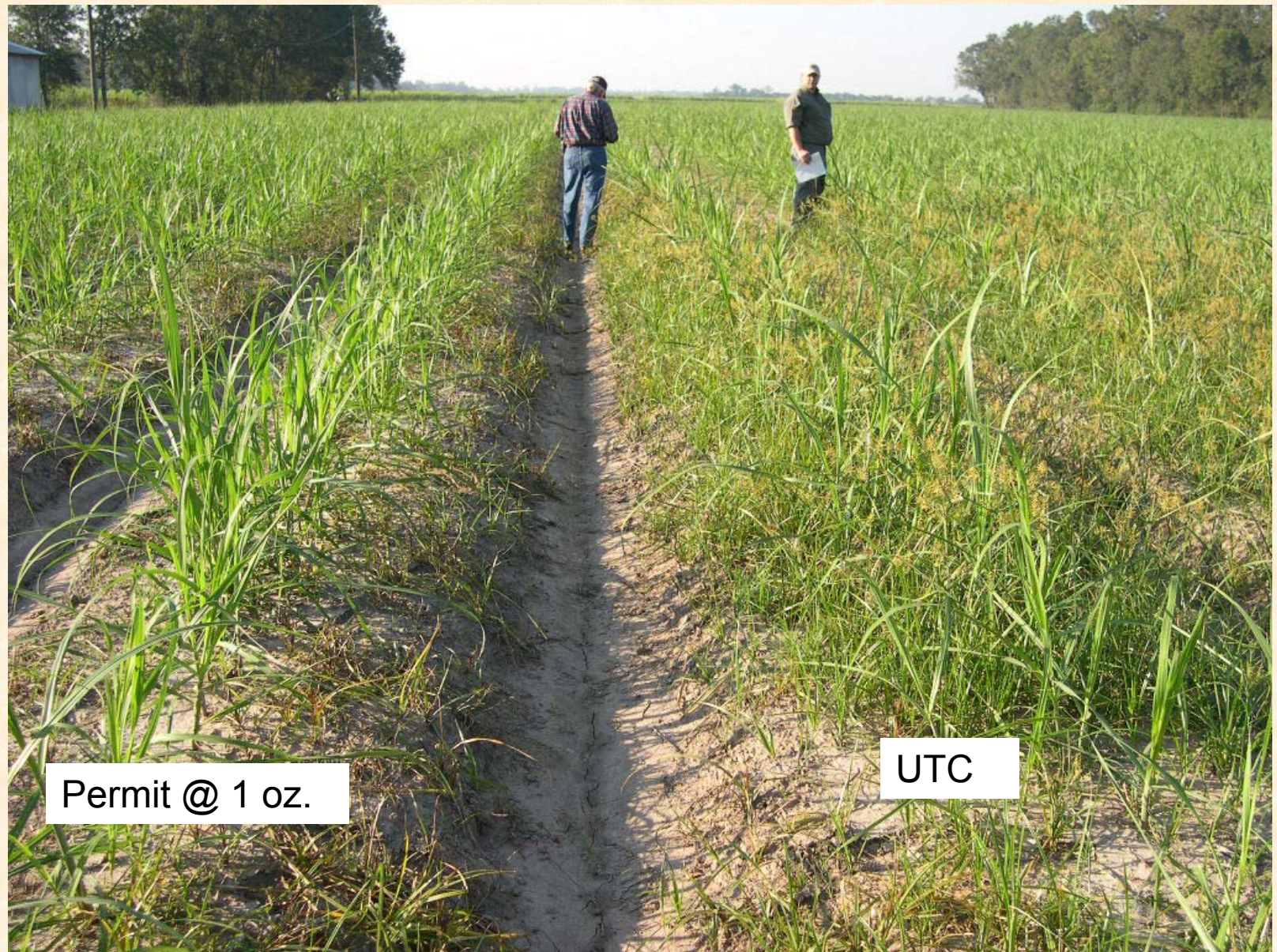
Initial Density 4 tubers/pot



Purple Nutsedge Competition Study

Tuber Production





Permit @ 1 oz.

UTC



UTC



Permit @ 1 oz.



UTC @ St. James





Yukon (Vacherie, LA)

Permit /Yukon Fit in Sugarcane

- **Fallow**
 - Reduce nutsedge tuber production
 - Reduce green material turned under at planting
 - Tank-mix glyphosate for broad spectrum fallow program



Permit / Yukon Fit in Sugarcane

- **At Planting**

- Command releases nutsedge; Permit / Yukon are proven to have the best activity on both yellow and purple nutsedge
- Permit / Yukon applications will reduce nutsedge tuber production resulting in less nutsedge competition in the spring as sugarcane emerges from the winter dormant period
- Should be applied around 6 weeks after sugarcane emerges. Tankmix flexible with herbicides.



Permit / Yukon Fit in Sugarcane

- **Fall Application (September/October)**
 - Permit / Yukon applications will reduce nutsedge tuber production resulting in less nutsedge competition in the spring as sugarcane emerges from the winter dormant period
 - Should be applied around 6 weeks after sugarcane regrowth occurs



Special Thanks to...



Luke Etheridge



Dr. Jim Griffin

Thank You!!

Questions???

