



### **GFP Farm**

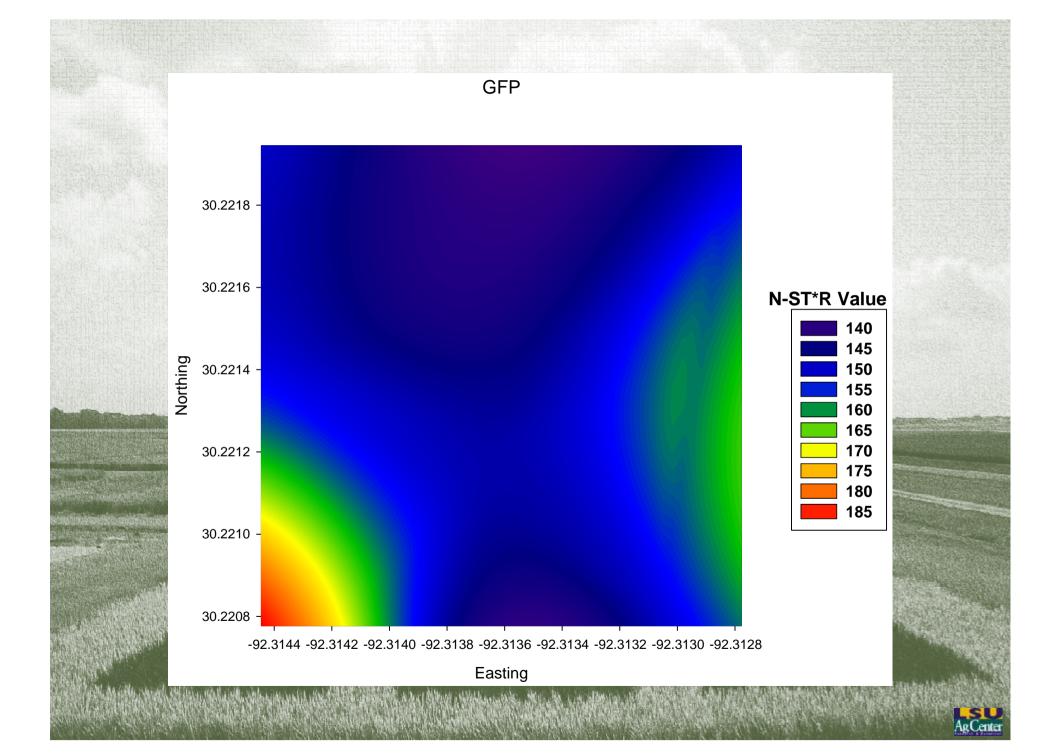
 Farmer: Paul and Fred Zaunbrecher Variety CL131

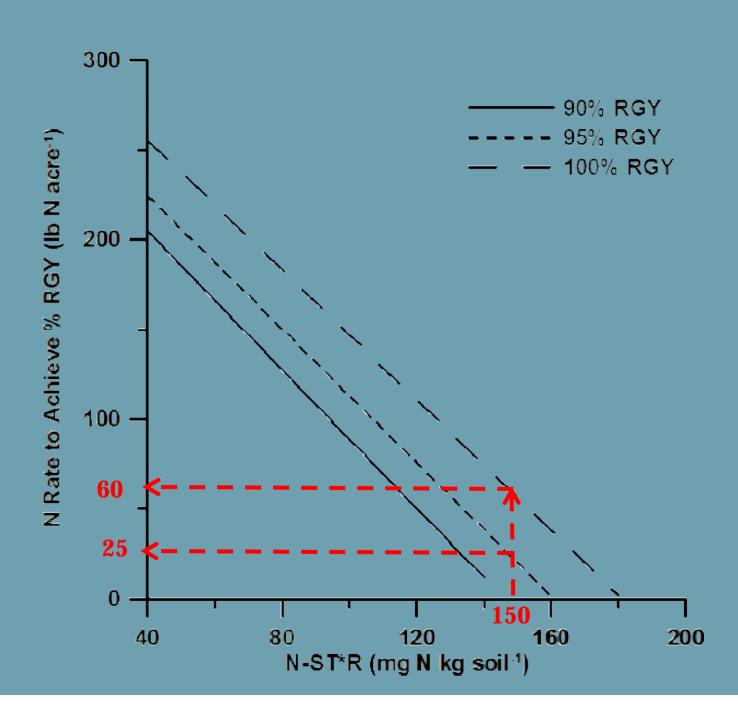
• Location: Rayne

 Seeding: dry broadcast @ 80 lbs

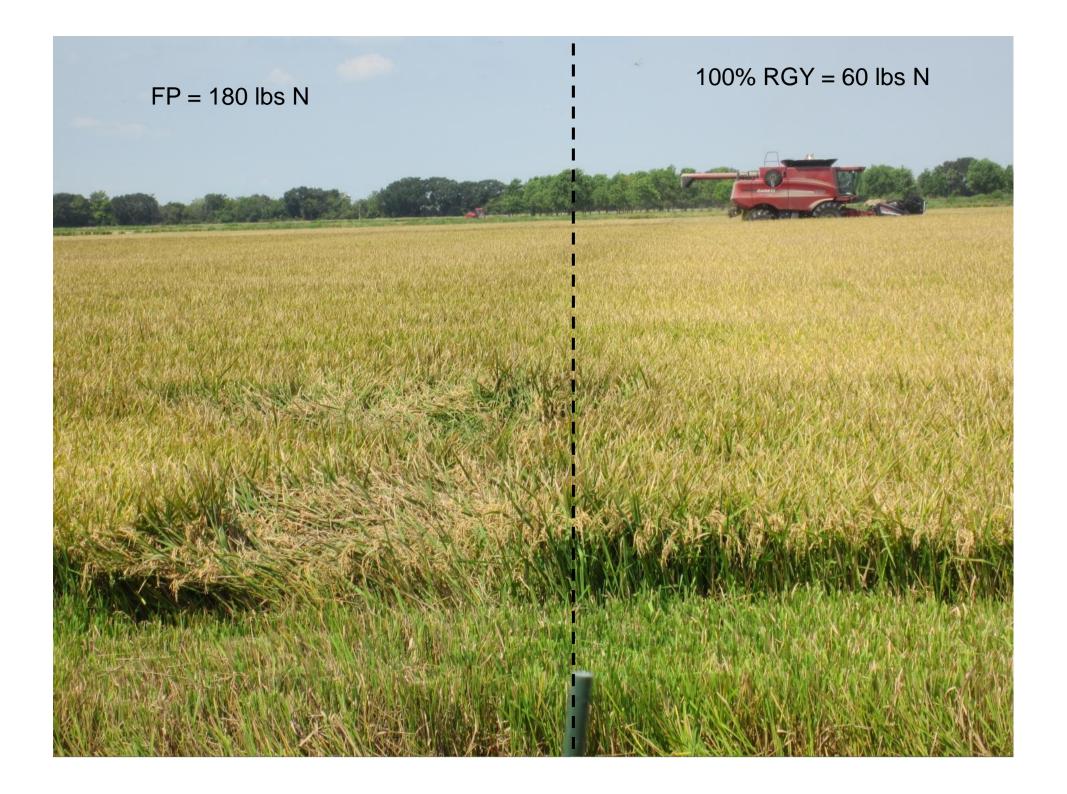
- Soil: Patouville –
   Crowley SL complex
- History:
  - fallow (10),
  - rice-crawfish (09),
  - fallow (08)







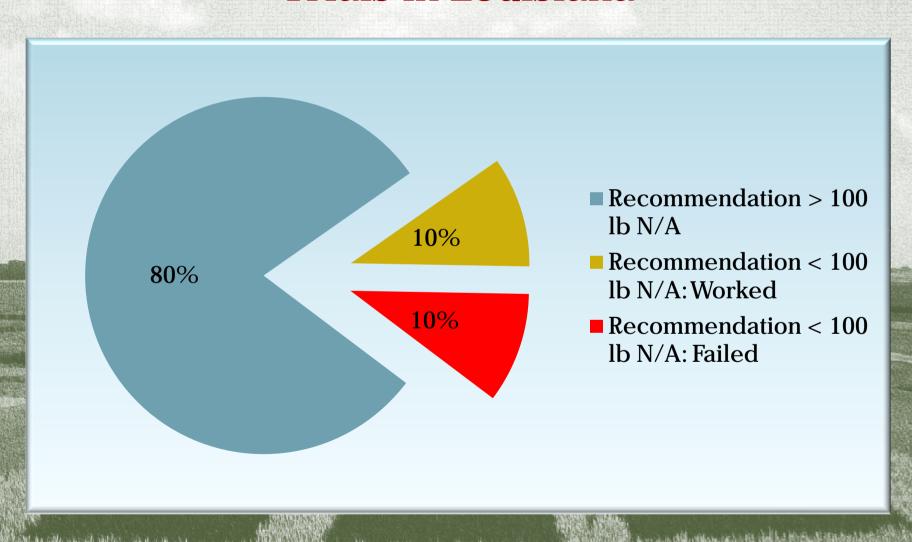




Location	N-STAR Recommendation		Yield	Yield Difference	N savings*	loss/gain
		lb N/A		bbl	\$-	
Hardee Farms						
	Farmer Practice	116	51			
	95% RGY	65	38	-13	31.62	267.38
	100% RGY	95	48	-10	13.02	216.98
F & D Farms						
	Farmer Practice	120	52			
	95% RGY	70	48	-4	31.00	61.00
	100% RGY	100	49	-3	12.40	56.60
G. F. & P. Farms						
	Farmer Practice	160	43			
	95% RGY	95	45	2	40.30	86.30
	100% RGY	125	45	2	35.00	81.00

<sup>\*</sup> Assumes \$0.62 lb N and \$23/bbl rice

## Update of the 2 years of N-STaR Validation Trials in Louisiana





# Update of the 2 years of N-STaR Validation Trials in Louisiana

- Action:
  - Return to small plots N
     response trials on these
     types of locations
  - Recalibrate low end of recommendations
  - Inform end-users that values less than 100 lb
     N/A not always accurate
    - Use as information only

- Why did the test fail?
  - Very high surface N?
- Can we cap N at 100?
  - No
    - 80 lb N: ok
    - 30 lb N: not ok
- How much do values change over time?







#### N-ST\*R Soil Test Laboratory 1366 W. Altheimer Dr. Fayetteville, AR 72704 479-575-6752

ame				
mail			Phone	
ddress			City	
tate	Zip Code			County
eld History: Field Nam	ie or Number			
oil Texture: 🗀 Sandy	☐ Silt Loam	☐ Clay	Soil Se	eries
revious Crop History:	Year	Сгор		If rice: please list variety and estimate yie
rojected Cultural Practice			_	
Variety				
Seeding Rate				
Estimated N Application Rate	(units N/acre)		Pref	flood N Application
Estimated Time to Flood			Lev	rees
Important Note:	Soil sample	s for silt	oam s	oils must be taken at
•				ill result in an

### Ratoon Stubble Management

Fungicide application did not improve yield or reduce incidence of Cercospora



Standard (16")

Low Harvest (8")

Bush Hog (2")

Rolled

**CL131 and Catahoula** 

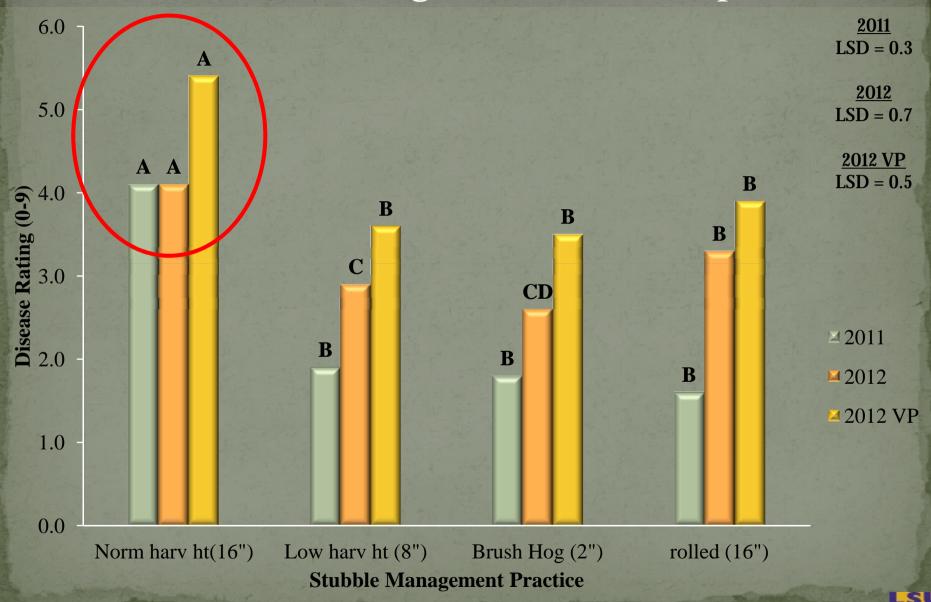
Quilt XL (21 oz, 4WAH)



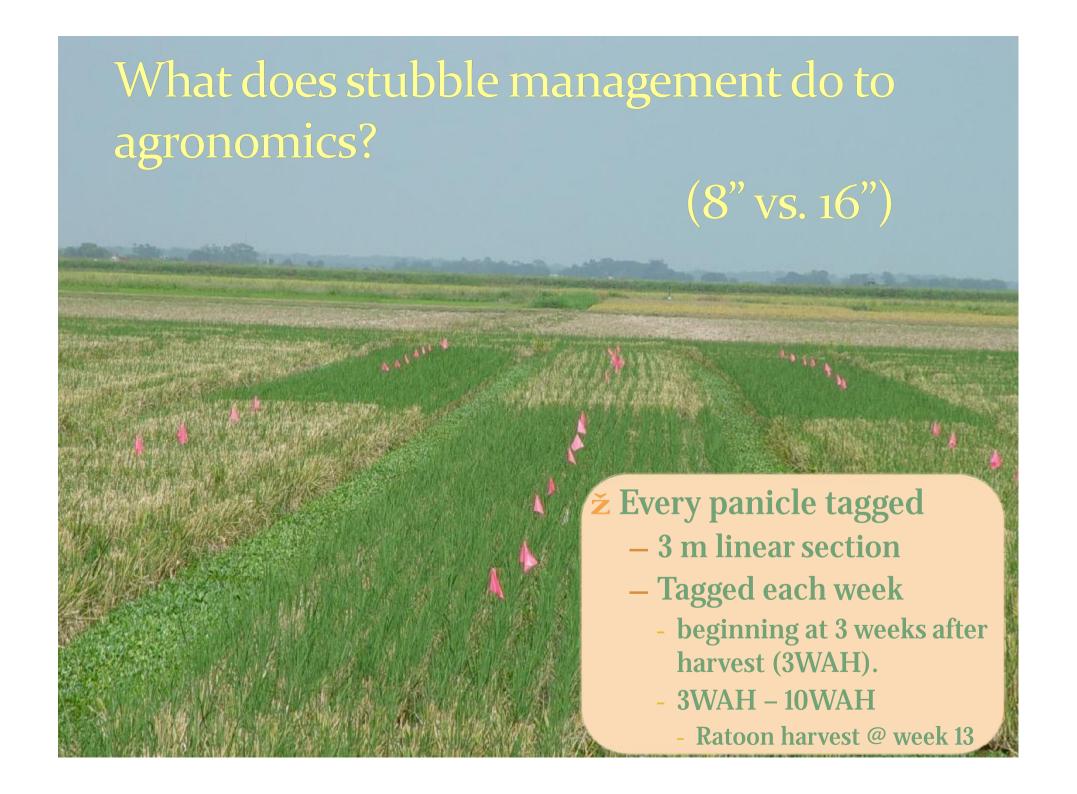
### Effect of Stubble Management on Yield

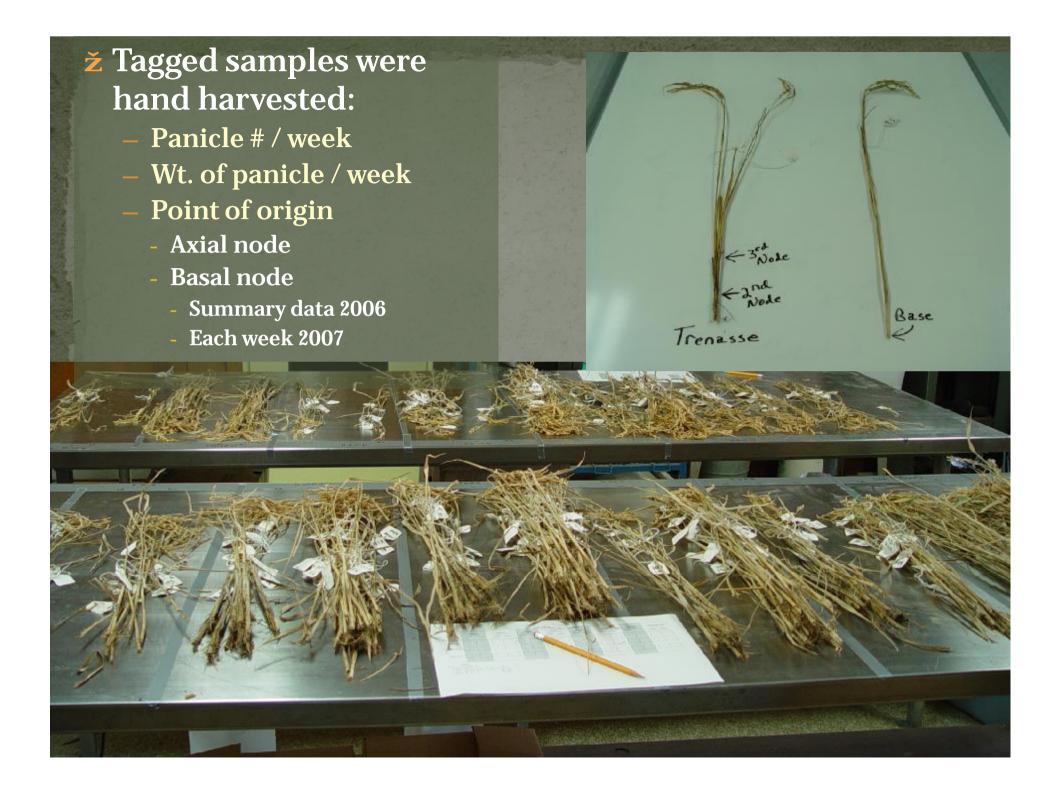


#### Effect of stubble management on Cercospora



Rice Research Station – fertility and Agronomy Project



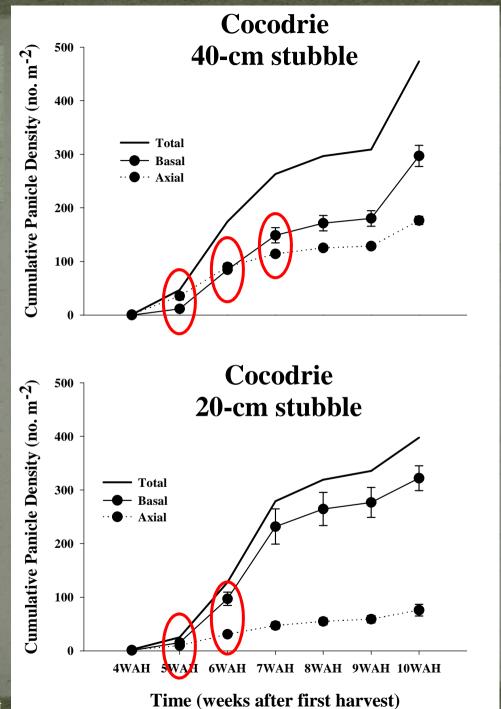


# Cumulative ratoon panicle emergence of Trenasse (pooled over years)

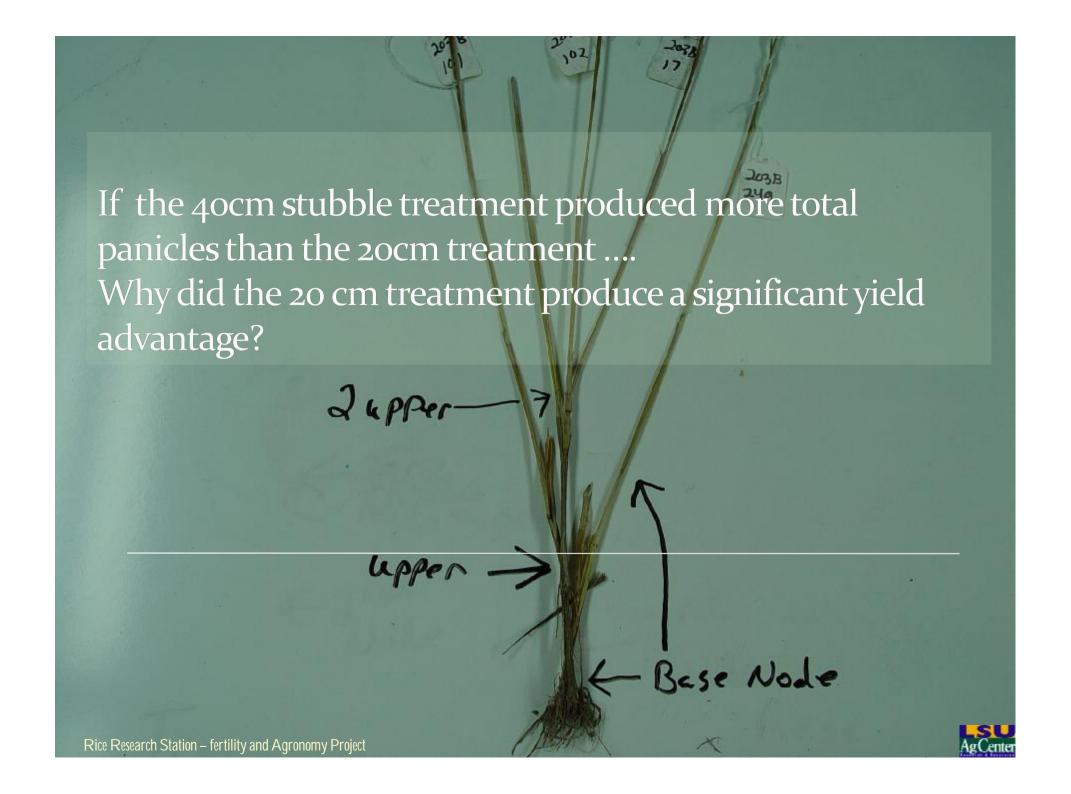




Panicle emergence was also differentiated by panicle origin on a weekly basis







## Axial and Basal Panicle Weights (pooled

over years)

#### - Axial

	F	P
Variety (V)	0.4	0.53
Stubble Height (SH)	2.9	0.09
V x SH	0.1	0.78

- Basal

	F	P
Variety (V)	2.3	0.13
Stubble Height (SH)	39.2	<.001
V x SH	0.4	0.55

	Axial	Basal
Stubble Height	g panicle <sup>-1</sup>	
20 cm	0.4	0.9
40 cm	0.5	0.7
LSD	0.2	0.1



