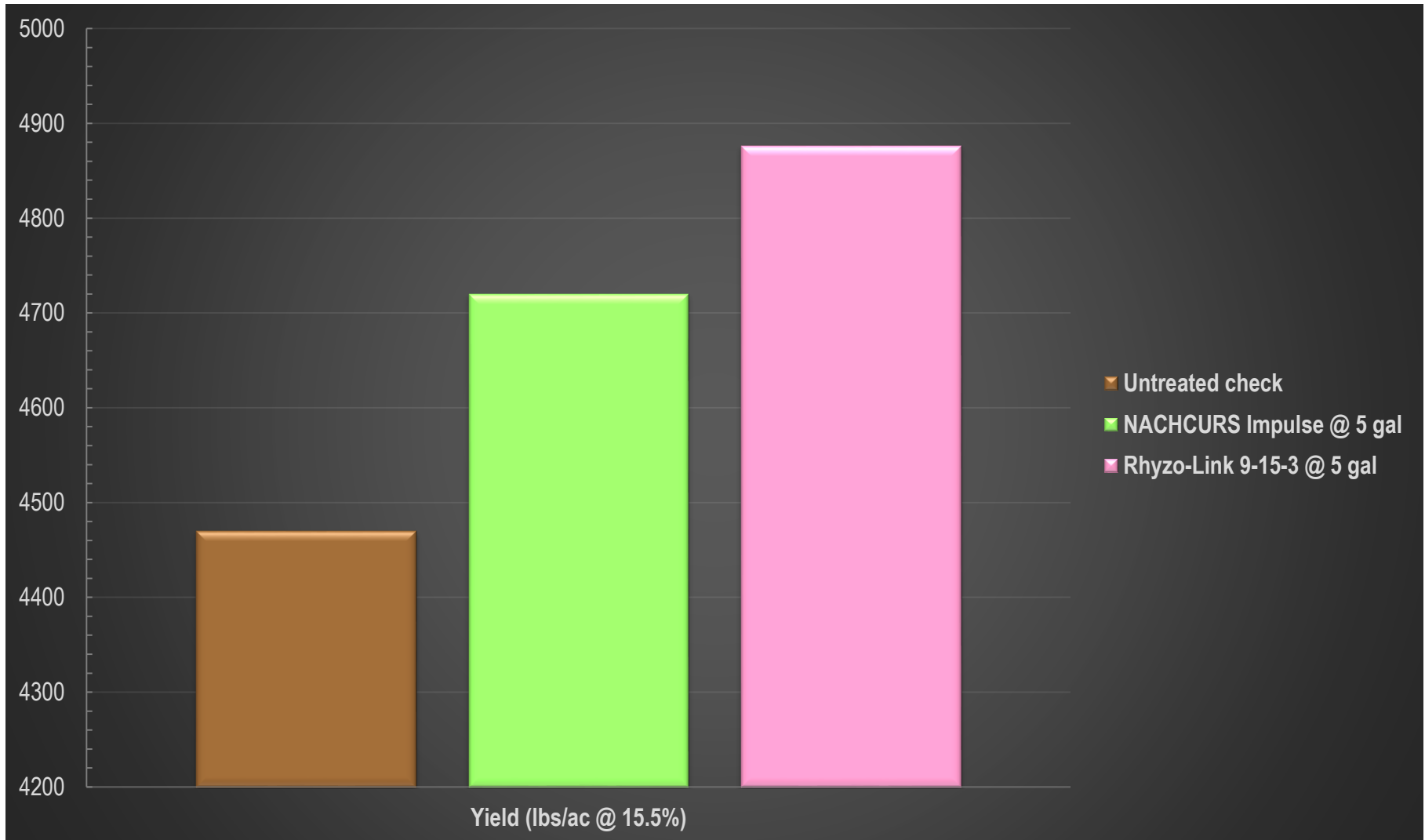


2015 Texas A&M AgriLife Extension Grain Sorghum Research Trial-Chillicothe, TX



CORN PLOT HARVEST DATA ENTRY FORM



Nachurs South Region



Investigator	Dr. Emi Kimura					Phone							
Cooperator	Texas A&M AgriLife Extension					Phone							
Address	Chillicothe, TX												
Planted:	4/21/2015			Preplant fertility:	75# N, 40# P			Soil pH:	8.1				
Harvested:	8/26/2015			Pre-E Herb:				Organic Matter:	1.3				
Tillage:	CONV	MIN	RIDGE	NO-TILL	STRIP	Post-E Herb:				Irrigated:	Yes		
Previous Crop:	CORN	SOY	OTHER			Soil Type:	Grandfield fine sandy loam	Hybrid:	Dekalb 37-07		Population:		

	Entry	# of Rows	Row Width (in)	Row Length (ft)	Acres	Total Weight (lbs)	% Moisture	Test Weight	Yield lbs/ac @ 15.5%	Other Comments
1	Rhyzo-Link EXP9WO	4	40	700	0.214		15.1	60.5	4330	
2	Rhyzo-Link EXP9PBWO	4	40	700	0.214		15.0	60.7	4299	
3	Rhyzo-Link EXP9WOK	4	40	700	0.214		14.7	60.5	4252	
4	Rhyzo-Link 9-15-3	4	40	700	0.214		15.3	60.5	4876	
5	NACHURS 10-18-4	4	40	700	0.214		16.0	60.1	4720	
6	NACHURS EXP10WOK	4	40	700	0.214		16.1	60.3	4548	
7	Untreated check	4	40	700	0.214		15.0	60.8	4470	

Calculating Yields

Standard Formula for Corn:

Bu/Ac at 15.5% = (100 - % moisture) x (total wt) x 110.465 / (row length)/(row width in inches x number of rows)

Example: 5100 lbs. of corn at 19% moisture from 6, 30" rows that are 1200' long

$$(100 - 19) \times 5100 \times 110.465 / 1200 / (6 \times 30) = 211.3 \text{ Bu/Ac at 15.5\% moisture}$$

Acreage Formula

$$(\# \text{ of rows} \times \text{row width in feet}) \times \text{row length} / 43,560 \text{ sq ft/Ac} = \text{number of acres}$$