

# CORN PLOT HARVEST DATA ENTRY FORM



Nachurs South Region



<b>Investigator</b>	Wheat Tech, Inc.				<b>Phone</b>						
<b>Contact</b>	Brad Wilks				<b>Phone</b>						
<b>Address</b>	Russellville, KY										
Planted:	4/24/2015			Plot location:	Adairville, KY			Soil pH:	6.7		
Harvested:	9/14/2015			Pre-E Herb:	Roundup PowerMax, Dicamba Max, Atrazine			Organic Matter:	3.7		
Tillage:				NO-TILL	Post-E Herb:	Roundup PowerMax, Lexar EZ			Irrigated:	No	
Previous Crop:	CORN	SOY	OTHER		Fertility:	42.5 gal UAN32 side-dress	Hybrid:	NK N70J-3011A		Population:	30,000

	Entry	# of Rows	Row Width (in)	Row Length (ft)	Acres	Total Weight (lbs)	% Moisture	Test Weight	Yield bu/ac @15.5%	Other Comments
1	Rhyzo-Link 9-15-3 @ 4 gal	2	30	40	0.005		16.4	58.3	<b>219.4</b>	
2	NACHURS 6-22-6-1 @ 4 gal	2	30	40	0.005		16.0	57.3	<b>215.6</b>	
3	Rhyzo-Link 3-10-13 @ 4 gal	2	30	40	0.005		16.3	57.0	<b>208.7</b>	
4	Untreated check	2	30	40	0.005		16.6	56.5	<b>203.0</b>	

## 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

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