

# CORN PLOT HARVEST DATA ENTRY FORM



Nachurs South Region



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<b>Address</b>	Russellville, KY											
Planted:	5/5/2015				Plot location:	Auburn, KY				Soil pH:	5.3	
Harvested:	9/22/2015				Pre-E Herb:	Roundup PowerMax, Dicamba Max, Atrazine				Organic Matter:	3	
Tillage:				NO-TILL	Post-E Herb:	Roundup PowerMax, Lexar EZ				Irrigated:	No	
Previous Crop:	CORN	SOY	OTHER		Fertility:	40 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		14.2	56.7	<b>215.9</b>	
2	NACHURS 6-22-6-1 @ 4 gal	2	30	40	0.005		14.1	57.2	<b>220.5</b>	
3	Rhyzo-Link 3-10-13 @ 4 gal	2	30	40	0.005		14.0	56.9	<b>224.0</b>	
4	Untreated check	2	30	40	0.005		14.7	57.0	<b>224.0</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

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