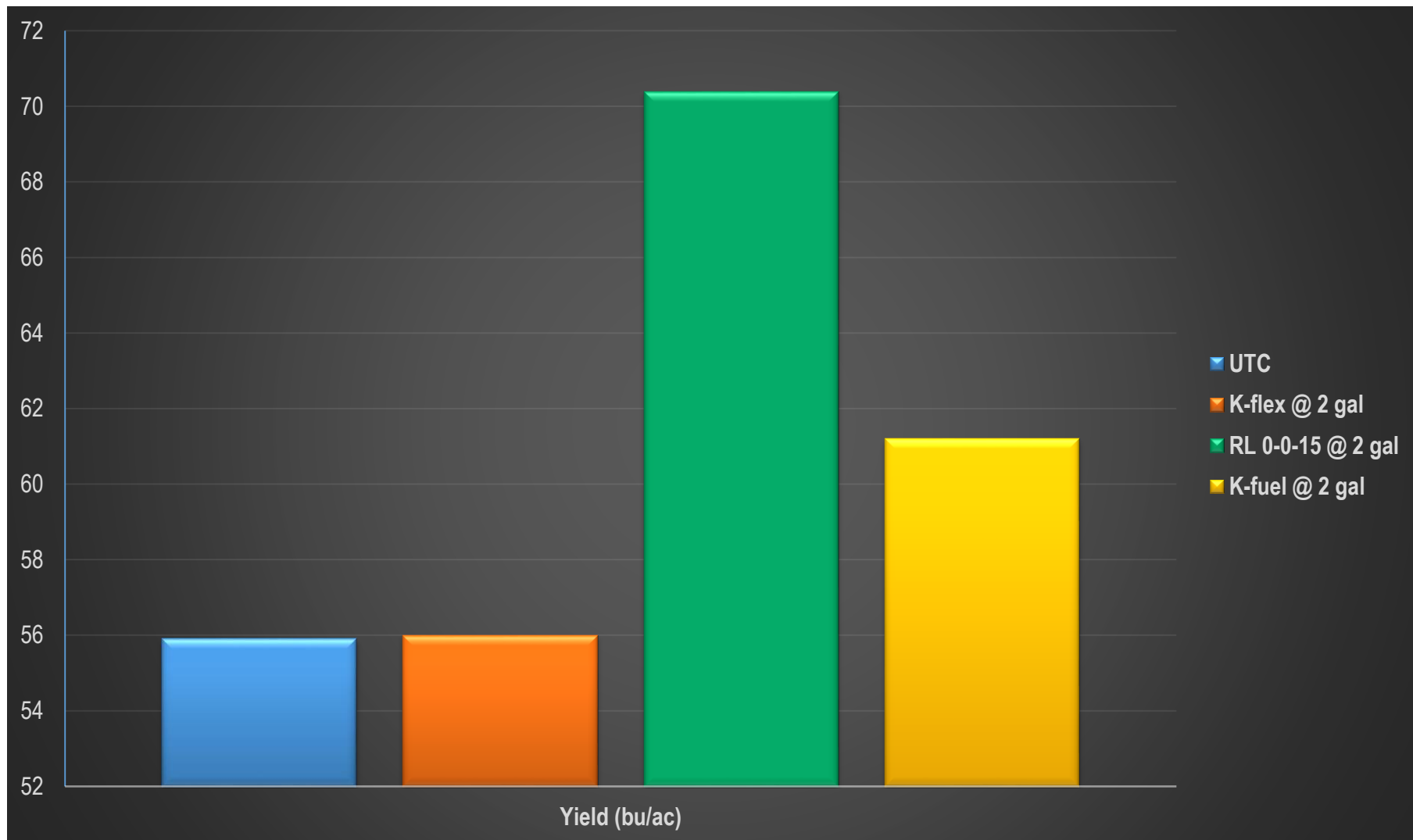


# 2015 AgriCenter International-Memphis, TN

## Foliar winter wheat trials\*



\*Applied at 12 inch plant height, 30% maturity

# PLOT HARVEST DATA ENTRY FORM



NACHURS Southern Region



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<b>Address: 7777 Walnut Grove Road, Memphis, TN 38120</b>									
Planted: 10-31-2014				Foliar application date: 4-10-2015				Soil pH: 6.5	
Harvested: 6-17-2015				Crop stage: 30% maturity				Organic Matter: 1.4%	
Tillage:		CONV			Plant height at foliar application: 12 inches				Irrigated: No
Previous Crop:		CORN	SOY	OTHER	Soil Type: 13.6% sand, 61.6% silt, 24.6% clay		Variety: winter wheat		Population: 1,500,000 seeds/ac

Entry	# of Rows	Row Width (in)	Row Length (ft)	Acres	Total Weight (lbs)	% Moisture	Test Weight	Yield bu/ac @ 13%	Other Comments
1				0.00344	11.7	14.15		<b>55.9</b>	All plots received 100 units
2				0.00344	11.73	14.2		<b>56.0</b>	of nitrogen via UAN
3				0.00344	14.78	14.3		<b>70.4</b>	
4				0.00344	12.83	14.2		<b>61.2</b>	

## Calculating Yields

### Standard Formula for Soybeans:

Bu/Ac at 13% = (100 - % moisture) x (total wt) x 100.138 / (row length)/(row width in inches x number of rows)

### 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:** 1300 lbs. of soybeans at 11% moisture from 6, 30" rows that are 1200' long

$$(100 - 11) \times 1300 \times 100.138 / 1200 / (6 \times 30) = 53.6 \text{ Bu/Ac at 13\% moisture}$$

## Acreage Formula

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