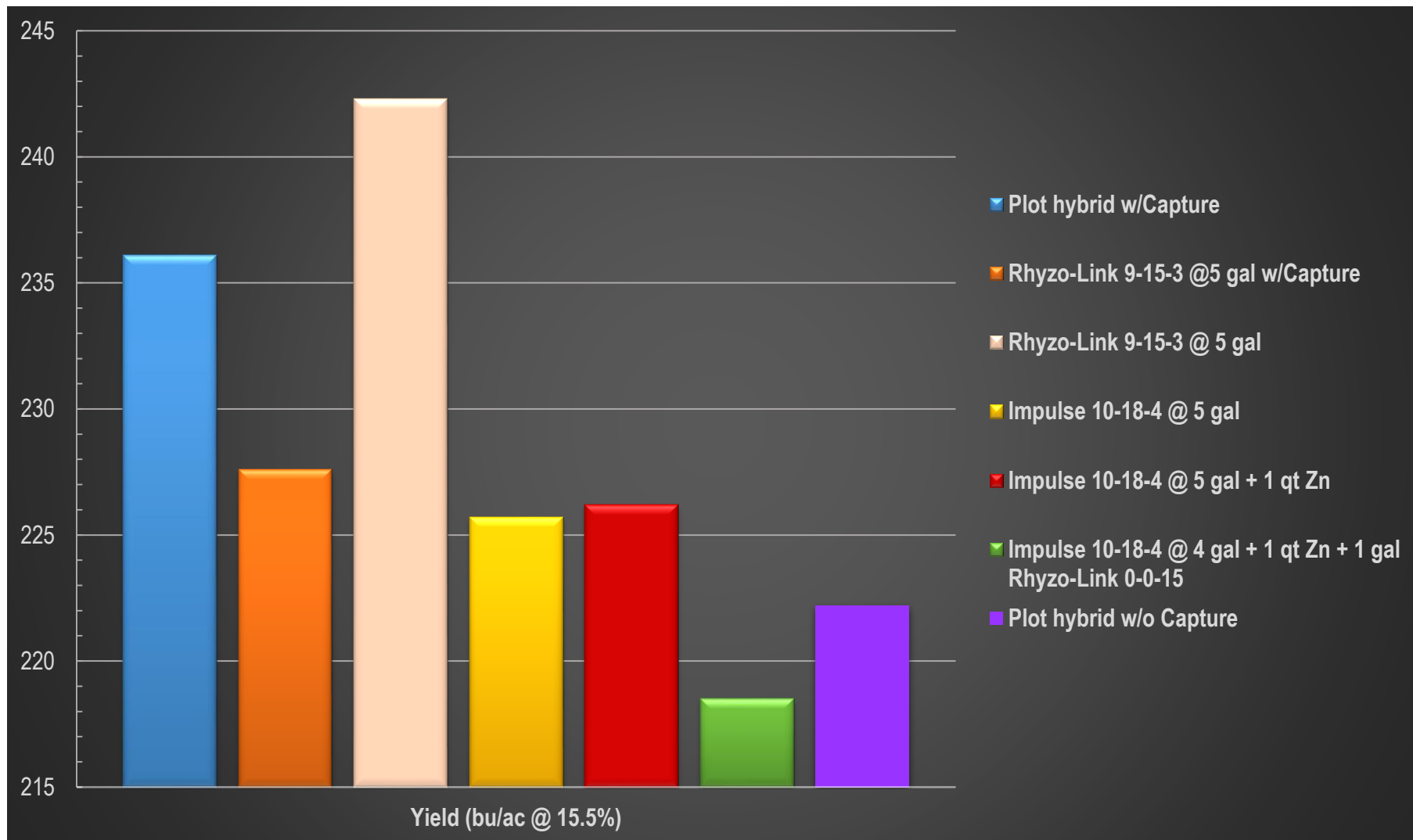


2015 Van Horn Corn Trial-Cerro Gordo, IL

In-furrow fertility treatments



Standard fertility - 287# DAP and 295# MOP preplant broadcast; 50 gal UAN32 side-dress

CORN PLOT HARVEST DATA ENTRY FORM



NACHURS East Region



Distributor	Van Horn, Inc					Phone						
Cooperator	Van Horn, Inc					Phone						
Address	Cerro Gordo, IL 61818											
Planted:	4/18/2015			Fertilizer program	225-138-180 (pounds)				Soil pH:			
Harvested:	9/15/2015				287# DAP, 295# MOP, 50 gal UAN32 sidedress				Organic Matter:			
Tillage:	CONV	MIN	RIDGE	NO-TILL	STRIP	Post-E Herb:					Irrigated:	No
Previous Crop:		SOY				Soil Type:		Hybrid:	DKC63-33 RIB	Population:	35,700	

Entry	# of Rows	Row Width (in)	Row Length (ft)	Acres	Total Weight (lbs)	% Moisture	Test Weight	Yield bu/ac @ 15.5%	Other Comments
1 plot hybrid w/Capture	6	30	556	0.191	2590	17.4	59	236.1	
2 Rhyzo-Link 9-15-3 @ 5 gal w/Capture	12	30	556	0.383	4938	16.5	60.1	227.6	
3 Rhyzo-Link 9-15-3 @ 5 gal	12	30	556	0.383	5278	16.8	59.1	242.3	
4 Impulse 10-18-4 @ 5 gal	12	30	556	0.383	4934	17.1	58.9	225.7	
5 Impulse 10-18-4 @ 5 gal + 1 qt 9% Zn	12	30	556	0.383	4926	16.8	60	226.2	
6 Impulse 10-18-4 @ 4 gal + 1 qt 9% Zn + 1 gal Rhyzo-Link 0-0-15	12	30	556	0.383	4782	17.2	58.3	218.5	
7 plot hybrid w/o Capture	6	30	556	0.191	2420	16.8	58.7	222.2	

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

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