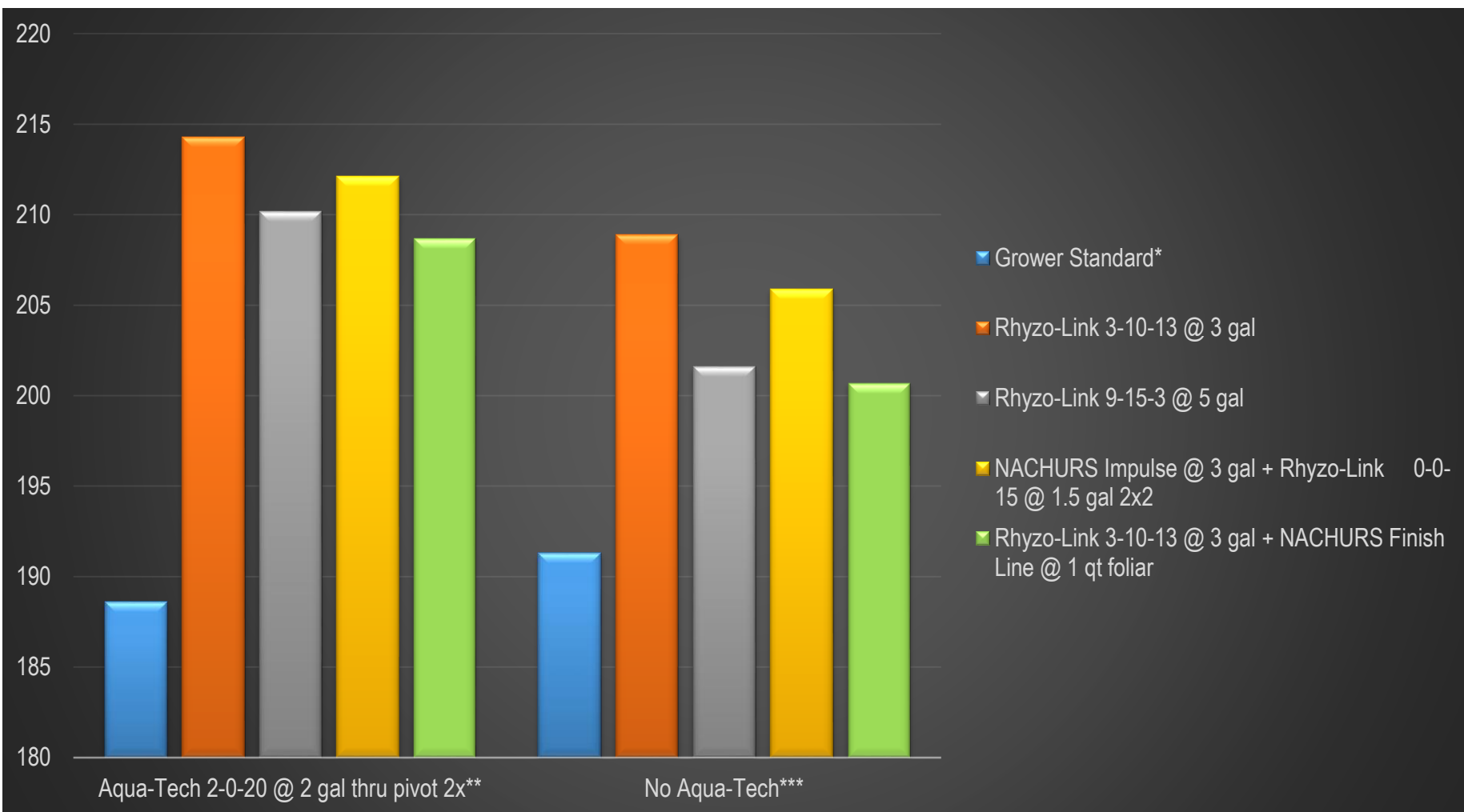


2015 IRF Irrigated Corn Trial-Yuma, CO



*Grower Standard is 21.3-8.5-2.5-2.5S @ 4 gal 2x2

**Received 25 gal of 28-0-0-5 thru pivot

***Received 50 gal of 28-0-0-5 thru pivot

CORN PLOT HARVEST DATA ENTRY FORM



Nachurs North Region



Investigator	Irrigation Research Foundation					Phone			
Contact	Charles Corey					Phone			
Address	Yuma, CO								
Planted:	5/4/2015		Strip tillage:	17-8-1-4.8 applied 10 gal @ 4" and 13 gal @ 10"			Soil pH:	7.0	
Harvested:	10/17/2015		Pre-E Herb:	Lumax EX, Touchdown Total			Organic Matter:	0.74	
Tillage:	CONV	MIN	RIDGE	NO-TILL	STRIP	Post-E Herb:	Status, Roundup WeatherMax	Irrigated:	Yes
Previous Crop:	CORN	SOY	OTHER	Soil Type:		Hybrid:	Dekalb 54-38	Population:	34,000

Entry	Total Weight (lbs)	% Moisture	Test Weight	Yield bu/ac @ 15.5%	Other Comments
1 Rhyzo-Link 3-10-13 @ 3 gal in-furrow + 18 gal water 2x2 + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		19.8		214.3	plot on west half of pivot; 25 gal of 28-0-0-5 thru pivot
2 Rhyzo-Link 9-15-3 @ 5 gal in-furrow + 18 gal water 2x2 + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		18.9		210.2	plot on west half of pivot; 25 gal of 28-0-0-5 thru pivot
3 NACHURS Impulse @ 3 gal in-furrow + Rhyzo-Link 0-0-15 @ 1.5 gal + 16.5 gal water 2x2 + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		18.7		212.1	plot on west half of pivot; 25 gal of 28-0-0-5 thru pivot
4 Rhyzo-Link 3-10-13 @ 3 gal in-furrow + 18 gal water 2x2 + NACHURS Finish Line @ 1 qt V4-V6 foliar + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		19.0		208.7	plot on west half of pivot; 25 gal of 28-0-0-5 thru pivot
5 Grower Standard (21.3-8.5-2.5-2.5 @ 4 gal + 14 gal water 2x2)		19.3		188.6	plot on west half of pivot; 25 gal of 28-0-0-5 thru pivot
6 Rhyzo-Link 3-10-13 @ 3 gal in-furrow + 18 gal water 2x2 + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		20.2		208.9	plot on east half of pivot; 50 gal of 28-0-0-5 thru pivot
7 Rhyzo-Link 9-15-3 @ 5 gal in-furrow + 18 gal water 2x2 + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		19.5		201.6	plot on east half of pivot; 50 gal of 28-0-0-5 thru pivot
8 NACHURS Impulse @ 3 gal in-furrow + Rhyzo-Link 0-0-15 @ 1.5 gal + 16.5 gal water 2x2 + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		19.2		205.9	plot on east half of pivot; 50 gal of 28-0-0-5 thru pivot
9 Rhyzo-Link 3-10-13 @ 3 gal in-furrow + 18 gal water 2x2 + NACHURS Finish Line @ 1 qt V4-V6 foliar + Aqua-Tech 2-0-20 @ 2 gal applied twice thru pivot		19.7		200.7	plot on east half of pivot; 50 gal of 28-0-0-5 thru pivot
10 Grower Standard (21.3-8.5-2.5-2.5 @ 4 gal + 14 gal water 2x2)		19.0		191.3	plot on east half of pivot; 50 gal of 28-0-0-5 thru pivot

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

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