RESEARCH FOR RESULTS

Irrigation Research Foundation (IRF) Trials – Individual Corn Trial #1

OVERVIEW:	This is year 4 of an ongoing study utilizing the same 10-acre plot, multi-block randomized test. The test plot was once again done on the same challenging area of the Research Farm as 2013, 2014 and 2015.		
LOCATION:	Yuma, CO		
PLOT:	10 acre; Circle A – NW ¼ - Low Water		
HYBRID:	Go3A50-5122		
PLANTING DATE:	4/25/2016		
HARVEST DATE:	10/13/2016		
POPULATION:	34К		
PRE-PLANT (per acre):	Strip-till: 16.4-8.2-1.3-4.7s applied (10) gallons @ 4 inches, (13) gallons @ 10 inches	3/22/2016	
WEED TREATMENT:	ACURON @ (2.5) quarts; ROUNDUP WEATHER MAX @ (32) ounces;		
	AMS @ (1) quart; NIS @ (1) quart per 100 gallons water.	4/28/2016	
TREATMENTS:	Starter 2x2: 15.7-8.9-2.6-2.6s047 Zn @ (18) gallons per acre	4/25/2016	
	Through Sprinkler: 28-0-0-5 @ (10) gallons per acre	6/10/2016	
	28-0-0-5 @ (10) gallons	7/5/2016	
	28-0-0-5 @ (10) gallons	7/9/2016	
	28-0-0-5 @ (6) gallons	7/22/2016	
RAINFALL CONDITIONS:	11 95 inches rainfall: 5 75 inches annlied		

RAINFALL CONDITIONS: 11.95 inches rainfall; 5.75 inches applied

App Dates	Protocols	Moisture	YIELD (bu./acre)
3/22/2016	Dryspread application of 2 - Soil Boost* @ (100) pounds per acre	12.9	196.9
4/25/2016	2x2 application of 3 - Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre	12.9	189.8
3/22/2016 4/25/2016	Dryspread application of 2 - Soil Boost* @ (100) pounds followed with 2x2 application of 3 - Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre	12.8	187.3
3/22/2016 4/25/2016 7/12/2016	Dryspread application of 2 - Soil Boost* @ (100) pounds followed with 2x2 application of 3 - Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre. Foliar - Aerial application of 3-18-18 @ (3) gallons with 6 - Growth Supplement @ (40) ounces, 5 - MicroNutrient Boost @ (1) pint per acre	13.2	202.4
	CONTROL - Standard IRF 2x2	12.7	180.0

Irrigation Research Foundation (IRF) upholds the mission to conserve the quality and quantity of water, Ogallala Aquifer, food production, and enhancement of the socio-economic welfare of the region. You may obtain more information about the Irrigation Research Foundation at <u>www.irf-info.com</u>.

*As of December 2016, 2 – Soil Boost has been renamed to Organic 2r – Soil Boost.