

RESEARCH FOR RESULTS



Irrigation Research Foundation (IRF) Trials – Individual Corn Trial #2

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 - High Water

HYBRID: Go3A50-5122

PLANTING DATE: 4/25/2016

HARVEST DATE: 10/13/2016

POPULATION: 34K

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: 15.7-8.9-2.6-2.6s-.047 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; 9.75 inches applied

App Dates	Protocols	Moisture	YIELD (bu./acre)
3/22/2016	Dryspread application of 2 - Soil Boost @ (100) pounds per acre	13.3	233.2
4/25/2016	2x2 application of 3 - Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre	13.5	234.6
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	13.5	233.0
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	13.7	238.9
CONTROL - Standard IRF 2x2		13.5	225.7

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 www.irf-info.com.

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