

RESEARCH FOR RESULTS



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

OVERVIEW: This is year 3 of a 3-year 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 and 2014. This year the research plot experience heavy rainfall right after emergence and then hail later in the season.

LOCATION: Yuma, CO

PLOT: 10 acre; Circle A – NW ¼ - High Water

HYBRID: DKC 54-38

PLANTING DATE: 5/12/2015

HARVEST DATE: 11/5/2015

POPULATION: 34K

PRE-PLANT: Strip-till: 17-8-1-4.8s applied (10) gallon @ 4 inches, (13) gallons @ 10 inches per acre 3/27/2015

WEED TREATMENT: Lumax EZ @ (2.7) quarts; Touchdown Total @ (32) ounces per acre;
AMS @ (1) quart; NIS @ (1) quart per 100 gallons water. 6/1/2015
STATUS @ (5) ounces; ROUNDUP WEATHER MAX @ (32) ounces per acre;
AMS @ (1) quart; NIS @ (1) quart per 100 gallons water. 7/1/2015

TREATMENTS: Starter 2x2: 15.7-8.9-2.6-2.6s-.1Zn @ (18) gallons per acre 5/12/2015
Through Sprinkler: 28-0-0-5 @ (8) gallons per acre 6/11/2015
28-0-0-5 @ (8) gallons 6/16/2015
28-0-0-5 @ (10) gallons 7/2/2015
28-0-0-5 @ (5) gallons 7/10/2015
28-0-0-5 @ (5) gallons 7/20/2015
28-0-0-5 @ (4) gallons 8/12/2015

RAINFALL CONDITIONS: 14.85 inches rainfall; 8.9 inches applied

App Dates	Protocols	Moisture	YIELD (bu./acre)
3/27/2015	Dryspread application of 2 Soil Boost @ (150) pounds per acre	16.3	221.09
5/12/2015	2x2 application of 3 Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre	16.3	222.21
3/27/2015 5/12/2015	Dryspread application of 2 Soil Boost @ (150) pounds followed with 2x2 application of 3 Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre	16.3	215.66
3/27/2015 5/12/2015 7/23/2015	Dryspread application of 2 Soil Boost @ (150) 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	15.9	215.5
	CONTROL - Standard IRF 2x2	16.6	209.53

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.