

# 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 <sup>2</sup> Soil Boost @ (150) pounds per acre	16.3	221.09
5/12/2015	2x2 application of <sup>3</sup> Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre	16.3	222.21
3/27/2015 5/12/2015	Dryspread application of <sup>2</sup> Soil Boost @ (150) pounds followed with 2x2 application of <sup>3</sup> 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 <sup>2</sup> Soil Boost @ (150) pounds followed with 2x2 application of <sup>3</sup> Growth Boost @ (2) quarts, SB4400 @ (1) pint per acre. Foliar - Aerial application of 3-18-18 @ (3) gallons with <sup>6</sup> Growth Supplement @ (40) ounces, <sup>5</sup> MicroNutrient Boost @ (1) pint per acre	15.9	215.5
	<b>CONTROL - Standard IRF 2x2</b>	16.6	209.53

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