RESEARCH FOR RESULTS

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Irrigation Research Foundation (IRF) Trials – New North Trial

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 2014 and 2015.**	
LOCATION:	Yuma, CO	
PLOT:	10 acre; Circle A – SE ¼ - Low Water	
HYBRID:	Go3A50-5122	
PLANTING DATE:	4/25/2016	
HARVEST DATE:	10/15/2016	
POPULATION:	34K	
PRE-PLANT:	**Strip-till:** 16.4-8.2-1.3-4.7s applied (10) gallons @ 4 inches, (13) gallons @ 10 inches per acre	3/21/2016
WEED TREATMENT:	ACURON @ (2.5) quarts; ROUNDUP WEATHER MAX @ (32) ounces per acre;	
	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
	In-Furrow: PRO-GERMINATOR 9-24-3 @ (4) 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 applied	

App Dates	Protocols	Moisture	YIELD (bu./acre)
	2x2		
3/21/2016 4/25/2016	**3 - Growth Boost** @ (2) quarts per acre with Standard IRF strip till & Standard IRF 2x2 at planting	11.6	182.0
3/21/2016 4/25/2016	**3 - Growth Boost** (2) quarts with Standard IRF strip till & **3 - Growth Boost** @ (2) quarts, **SB4400** @ (1) pint per acre with standard IRF 2x2 at planting	11.3	184.3
3/21/2016 4/25/2016 7/12/2016	**3 - Growth Boost** @ (2) quarts with Standard IRF strip till & **3 - Growth Boost** @ (2) quarts, **SB4400** @ (1) pint per acre with standard IRF 2x2 at planting. Foliar- Aerial application of 3-18-18 @ (3) gallons with **6 - Growth Supplement** @ (40) ounces, **5 - MicroNutrient Boost** @ (1) pint per acre	11.5	185.3
	Control	11.4	182.3
	In- Furrow		
3/21/2016 4/25/2016	**3 - Growth Boost** @ (2) quarts per acre with Standard IRF strip till & Standard IRF in-furrow at planting	11.5	185.8
3/21/2016 4/25/2016	**3 - Growth Boost** @ (2) quarts with Standard IRF strip till & **3 - Growth Boost** @ (2) quarts, **SB4400** @ (1) pint per acre with standard IRF in-furrow at planting	12.0	173.9
3/21/2016 4/25/2016 7/12/2016	**3 - Growth Boost** @ (2) quarts with Standard IRF strip till & **3 - Growth Boost** @ (2) quarts, **SB4400** @ (1) pint per acre with standard IRF in-furrow at planting. Foliar- Aerial application of 3-18-18 @ (3) gallons with **6 - Growth Supplement** @ (40) ounces, **5 - MicroNutrient Boost** @ (1) pint per acre	11.6	186.7
	Control	11.5	172.5

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.