

Irrigation Research Foundation- Yuma, CO SoilBiotics-Individual Testing Corn

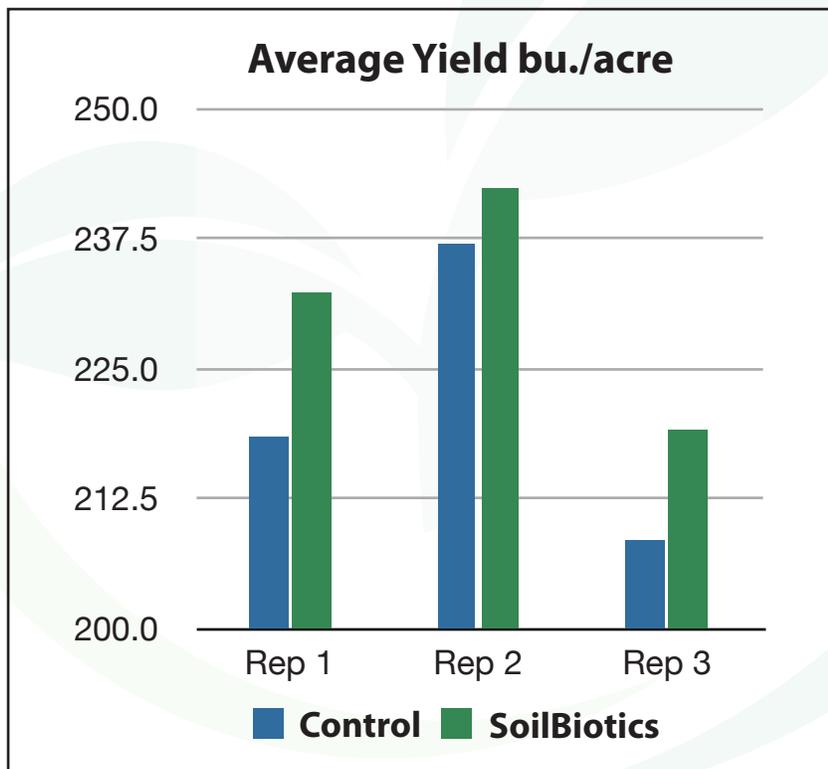
Overview

This is year 1 of a 3 year study. Same 10 acre plot, multi-block randomized test.

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.

The test plot was done on most challenging area of farm. Charles at IRF commented, "I was very impressed with the yields for the amounts of water applied, even with 14 inches of water. This was our highest yield ever, with previous yields at 190 bu./acre".

Note: In the Midwest, the average of rainfall is 28-30 inches in one growing season. However, in 2012 there was only 12-15 inches of rainfall in the Midwest. West of the Mississippi, farmers are having to reduce their water inputs by 50%.



You may obtain more information about the Irrigation Research Foundation at www.irf-info.com.

Irrigation Research Foundation- Yuma, CO

SoilBiotics-Individual Testing Corn



Population: 34k
 Variety: Dekalb 52-04
 Planting date: 5/10/13
 Harvest date: 10/27/13

Applied water: 14.02 inches
 Rainfall: 9.42 inches

Application Dates

Strip till: 19-13-0 = 10 gal. @ 4" & 13 gal. @ 10"	4/5/2013
Starter: 21.8-11-1.8-1.2S-.1ZN @ 18gal./acre	5/10/2013
Through Sprinkler: 32-0-0 @ 10 gal./acre	6/20/2013
32-0-0 @ 6 gal./acre	6/27, 7/3, 7/8, 7/15, 7/25, 8/12

Herbicide Treatment 1 applied 4/30/2013; Degree Extra @ 3qt./acre;
 Round-up weather max @ 32oz./acre; Class Act @ .60qt./acre

Herbicide Treatment 2 applied 6/22/2013; Status @ 5oz./acre
 Round-up weather max @ 32oz./acre; NIS @ 1qt./100 gal. water;
 AMS @ 17lbs./100 gal. water

App Dates	Protocols	Moisture/ Test Wgt.	YIELD (bu./ acre)
REP 1			
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	14.3/59	233.77
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	14.9/59	236.84
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	14.5/59	230.73
3/20/13 5/10/2013	Dryspread application of ② Soil Boost* @ 200 lbs./acre followed with 2x2 app of ③ Growth Boost** @ 1 gal./acre	14.5/56	226.48
5/10/13	2x2 application of ③ Growth Boost** @ 1 gal./ acre	14/61	230.62
7/18/13	Aerial application of 3-18-18 @ 3gal./acre with 40oz. of ⑥ Growth Supplement**** and 1pt./of ⑤ MicroNutrient Boost/acre***	13.9/60	235.20
REP 1 Control Average		14.5/59	218.42
REP 2			
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	13.7/59	247.91
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	13.7/59	221.37
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	14.8/62	253.93
3/20/13 5/10/2013	Dryspread application of ② Soil Boost* @ 200 lbs./acre followed with 2x2 app of ③ Growth Boost** @ 1 gal./acre	14/58	248.51
5/10/13	2x2 application of ③ Growth Boost** @ 1 gal./ acre	14.4/62	239.66
REP 2 Control Average		14.1/61	236.97
REP 3			
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	15.2/61	216.10
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	14.1/57	233.95
3/20/13	Dryspread application of ② Soil Boost* @ 200 lbs./acre	14.1/59	215.11
3/20/13 5/10/2013	Dryspread application of ② Soil Boost* @ 200 lbs./acre followed with 2x2 app of ③ Growth Boost** @ 1 gal./acre	14.7/59	216.69
5/10/13	2x2 application of ③ Growth Boost** @ 1 gal./ acre	14.8/59	213.72
		13.8/60	208.45

* X-Cell GR renamed ② Soil Boost February 2014
 ** X-Cell Liquid renamed ③ Growth Boost February 2014
 *** X-Cell Micro Mix renamed ⑤ MicroNutrient Boost February 2014
 **** X-Cell Liquid M renamed ⑥ Growth Supplement February 2014