



Irrigation Research Foundation - Yuma, CO  
SoilBiotics Individual Testing Corn Trial - New - North

Population: 34K                      Applied Water: 6.25 inches  
 Variety: DKS 56-54                Rainfall: 16 inches  
 Planting Date: 4/30/14  
 Harvest Date: 11/2/14

Strip-till: 23-0-3-5.7s = 10 gal. @ 4"

Starter 2x2: 22.7-9.1-1.9-1.3s-.05zn @ 18 gal./acre

In-Furrow: 9-24-3 Micro 500 @ ½ gal./acre

Through Sprinkler: 32-0-0 @ 10 gal./acre

**Application Dates**

3/27/2014

4/30/2014

4/30/2014

6/5/2014, 7/4, 7/14, 7/21

Herbicide Treatment applied 5/4/2014; Lumax EZ @ 2.7qt./acre; Touchdown Total @ 32oz./acre  
 AMS @ 8.5lbs/100 gal. water; NIS @ 1qt/100 gal. water

App Dates	Protocols	Moisture	YIELD (bu./acre)	Control Moisture	Control Yield (bu./acre)
<b>2x2</b>					
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + 2x2 Standard IRF Program	15.9	219.50	15.3	188.5
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + 2x2 with <b>(3) Growth Boost</b> @ 1 gal./acre	15.2	236.60	15.3	214.3
7/17/2014	Aerial application of 3-18-18 @ 3 gal/acre with <b>(6) Growth Supplement</b> @ 40oz/acre and <b>(5) MicroNutrient Boost</b> @ 1pt/acre at white silk stage	15.2	213.10	15.3	193.4
<b>In-Furrow</b>					
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + In-Furrow Standard IRF Program	15.5	220.50	15.3	200.4
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + In-Furrow with <b>(3) Growth Boost</b> @ 1 gal./acre	14.8	214.90	15.4	193.6
7/17/2014	Aerial application of 3-18-18 @ 3 gal/acre with <b>(6) Growth Supplement</b> @ 40oz/acre and <b>(5) MicroNutrient Boost</b> @ 1pt/acre at white silk stage	15.4	232.60	15.6	219.1

This was the most challenging spot on the research farm. The previous corn yield for this spot was 175 bushel per acre and the watering was reduced.



Irrigation Research Foundation - Yuma, CO  
SoilBiotics Individual Testing Corn Trial - New - South

Population: 34K                      Applied Water: 8 inches  
Variety: DKS 56-54                Rainfall: 16 inches  
Planting Date: 4/30/14  
Harvest Date: 11/2/14

**Application Dates**

Strip-till: 23-0-3-5.7s = 10 gal. @ 4"	3/27/2014
Starter 2x2: 22.7-9.1-1.9-1.3s-.05zn @ 18 gal./acre	4/30/2014
In-Furrow: 9-24-3 Micro 500 @ ½ gal./acre	4/30/2014
Through Sprinkler: 32-0-0 @ 10 gal./acre	6/5/2014, 7/4, 7/14, 7/21

Herbicide Treatment applied 5/4/2014; Lumax EZ @ 2.7qt./acre; Touchdown Total @ 32oz./acre  
AMS @ 8.5lbs/100 gal. water; NIS @ 1qt/100 gal. water

App Dates	Protocols	Moisture	YIELD (bu./acre)	Control Moisture	Control Yield (bu./acre)
<b>2x2</b>					
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + 2x2 Standard IRF Program	15.5	221.70	15.8	200.1
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + 2x2 with <b>(3) Growth Boost</b> @ 1 gal./acre	15.5	233.00	15.3	223.4
7/17/2014	Aerial application of 3-18-18 @ 3 gal/acre with <b>(6) Growth Supplement</b> @ 40oz/acre and <b>(5) MicroNutrient Boost</b> @ 1pt/acre at white silk stage	15.4	199.30	15.3	185.7
<b>In-Furrow</b>					
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + In-Furrow Standard IRF Program	15.2	231.00	15.3	221
4/4/2014 4/30/2014	Standard Strip-Till with <b>(3) Growth Boost</b> @ 1 gal./acre + In-Furrow with <b>(3) Growth Boost</b> @ 1 gal./acre	14.6	205.20	14.3	191
7/17/2014	Aerial application of 3-18-18 @ 3 gal/acre with <b>(6) Growth Supplement</b> @ 40oz/acre and <b>(5) MicroNutrient Boost</b> @ 1pt/acre at white silk stage	15.7	200.70	15.6	192.5

This was the most challenging spot on the research farm. The previous corn yield for this spot was 175 bushels per acre and the watering was reduced.



Irrigation Research Foundation – Yuma, CO

SoilBiotics Individual Testing Corn Trial 1 & 2, 2<sup>nd</sup> Year

### Overview

- This is year 2 of a 3 year study. 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. This year SoilBiotics had the 2<sup>nd</sup> highest yields at the Research Farm.

### Summary

- Brought average yield up two consecutive years.

Irrigation Research Foundation – Yuma, CO

SoilBiotics individual Testing Corn Trial – New – North and South

### Overview

- This is year 1 of a 3 year study. New 10 acre plot, multi-block randomized test.
- Test performed on another challenging farm at the Research Farm.
- 2013 yield results averaged: 175 Bu/A

### Summary

- Saw 26.74 bushel per acre increase