

# RESEARCH FOR RESULTS



## Total Soil Management (TSM) Walker Farms Trials

**OVERVIEW:** This trial compares different units of Nitrogen applied with **SoilBiotics 4 – Ultra Boost Impregnated Urea** against the check.

**LOCATION:** SCHONERT - WALKER FARMS.

**VARIETY:** Pioneer 1197 AMXT. Previous Crop = Soybeans.

**PLANTING DATE:** Thursday May 19th.

**POPULATION:** 34,013.

**PRE-PLANT:** No fall tillage to maintain rows from previous season; disked, followed by two field cultivator passes in the spring.

**WEED TREATMENT:** Application of Glyphosate @ 48 oz/acre + Brandt Prolec on June 17th.

**TREATMENTS:** Nitrogen Treatments applied to plots on May 17, 2016.  
 #1. CHECK - 180 units ESN per acre.  
 #2. 180 Units N - **SoilBiotics 4 - Ultra Boost** Impregnated Urea.  
 #3. 135 Units N - **SoilBiotics 4 - Ultra Boost** Impregnated Urea.

### Walker Corn Plot Results

Treatment	Plot	Moisture	Yield
1	111	19.8	251.9
1	312	20.1	247.8
1	411	20.1	256.9
1	513	20.3	220.2
1	213	19.9	248.8
	<b>Average</b>	<b>20.0</b>	<b>245.1</b>
2	211	19.9	254.9
2	112	19.6	244.5
2	511	20.3	252.0
2	412	20.4	254.8
2	313	20.1	244.8
	<b>Average</b>	<b>20.1</b>	<b>250.2</b>
3	311	20.1	253.9
3	212	19.8	246.8
3	512	20.3	183.9*
3	113	19.7	262.0
3	413	20.3	249.9
	<b>Average</b>	<b>20.0</b>	<b>253.2</b>

**SUMMARY:** Treatment #3 performed the best with the highest average yield. Note that this field has never had a corn yield as high as 262 bushels per acre before. Both treatments with **SoilBiotics 4 - Ultra Boost** performed better than the control, but #3 used less Nitrogen @ 135 units/acre and got a higher yield average.

\*Plot 512 had visual differences from V4-V7 that caused the crop to not perform as well. Since the yield is more than 2 standard deviations away from the mean, it is not included in the average yield for treatment 3.