

# RESEARCH FOR RESULTS



## Total Soil Management (TSM) Walker Farms Trials

**OVERVIEW:** This trial compares different In-furrow treatments to look at the benefits of adding humic acids on soybeans at planting and foliar treatments at R-3 as measured by yield.

**LOCATION:** SCHONERT - WALKER FARMS

**PLOT SIZE:** 15' x 90' (6 - 30" rows per plot). Only the 4 middle rows were harvested for data, allowing for 2 buffer rows on each side of a plot.

**VARIETY:** Pioneer 33T72 soybeans (Group 3.3). Previous Crop = Corn

**PLANTING DATE:** Saturday, May 23.

**POPULATION:** 130K

**PRE-PLANT:** Disked, cultivated, and Pre-Herbicide of DuPont Prequel

**WEED TREATMENT:** Application of 40 oz. Glyphosate + Hot Sauce & Nu-Film 17 on July 15.

**TREATMENTS:** Foliar Treatments applied on July 20, 2015.

#3. SoilBiotics – In-furrow through the planter: (1) qt.  Growth Boost & (1) pint SB4400 [in water @ (5) gallon per acre].

#4. SoilBiotics - At R-3 as a foliar application: (1) pint SB4400 and (3) gallons 3-18-18 fertilizer [in water @ (10) gallon per acre].

**CONDITIONS:** Rainfall from May 8 until harvest was 24.88 inches (12.36 inches in June alone)

### Walker Soybean Plot Results

| Treatment             | Rep 1 | Rep 2 | Rep 3 | Rep 4 | Rep 5 | Average |
|-----------------------|-------|-------|-------|-------|-------|---------|
| Untreated Control     | 70.7  | 69.1  | 79.3  | 77    |       | 74.025  |
| TSM Experimental      | 71.5  | 63    | 69.1  | 78.7  |       | 70.575  |
| SoilBiotics In-furrow | 75.6  | 71.4  | 73.9  | 76.6  | 74.5  | 74.4    |
| SoilBiotics Foliar    | 77.8  | 80.8  | 79.7  | 79.1  |       | 79.35   |
| Company A In-furrow   | 69.9  | 76.1  | 81.1  | 73.9  |       | 75.25   |
| Company A Foliar      | 68.3  | 73.8  | 81.6  | 78.9  |       | 75.65   |
| Company B In-furrow   | 75.6  | 76.3  |       |       |       | 75.95   |
| Company B Foliar      | 71.5  | 79.1  |       |       |       | 75.3    |

“There was a planter malfunction that may have impacted the results of the in-furrow portion of the trial.” (Larry Schonert of TSM).

**SUMMARY:** The SoilBiotics foliar application resulted in clearly higher yields than any other treatment.