

**Soil Technologies Corp.**  
**Research and Development Department**



## **Research Report**

**Title:** Excite Assay on Green Bell Pepper

**Location:** Gainesville, FL USA

**Principal Investigators:** Dr. Jim Schaefer

**Crop:** Sweet Pepper (variety: Bonnie Green Bell)

**Date:** Spring 2022

### **Abstract:**

The purpose of this assay was to evaluate the effects of Excite<sup>1</sup> on sweet pepper plants in a nursery setting. Sweet pepper plants received four applications of Excite over a four-week period and were later observed and compared to a control group.

### **Methods:**

Sweet pepper plants of relatively equal size were grown in pots in a nursery setting. The Bonnie Green Bell variety was used in this assay and the soil used was a commercial organic potting soil with an analysis of less than 1% for NPK.



Plants received foliar applications of Excite at 1% four times at one-week intervals. Following the treatment applications, the green bell pepper plants were evaluated and compared to a control group.

<sup>1</sup>Excite is a biostimulant product developed and manufactured by Soil Technologies Corp. in Fairfield, Iowa USA

**Results:**

As demonstrated in the below photo, green bell pepper plants that were treated with Excite showed signs of greater quantity and accelerated fruit set compared to the control group.

Figure 1.



**Conclusions:**

Results from this assay demonstrated that treated plants showed signs of a greater quantity and more accelerated fruit set compared to the untreated plants.