

Soil Technologies Corp.
Research and Development Department



Research Report

Title: Excite Assay on Hot Banana Pepper Plants

Location: Gainesville, FL USA

Principal Investigators: Dr. Jim Schaefer PhD

Crop: Pepper (variety: Hot Banana Hybrid Pepper)

Date: Spring 2022

Abstract:

The purpose of this assay was to evaluate the effects of Excite¹ on Hot Banana Pepper plants in a nursery setting. The pepper plants received four applications of Excite over a four-week period and were later observed and compared to a control.

Methods:

Hot Banana pepper plants of relatively equal size were grown in pots in a nursery setting. Soil used in this assay was a commercial organic potting soil with an analysis of less than 1% for NPK.



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

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

Results:

As depicted in the below photograph, results from this assay demonstrated that the treated pepper plants had increased biomass compared to the control group.

Figure 1.



Conclusions:

Results from this assay showed that plants treated with Excite had increased biomass compared to the control group.