

Soil Technologies Corp.
Research and Development Department



Research Report

Title: Excite Assay on Beefsteak Tomato

Location: Gainesville, FL USA

Principal Investigators: Dr. Jim Schaefer PhD

Crop: Tomato (variety: Red Beefsteak)

Date: Spring 2022

Abstract:

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

Methods:

Red Beefsteak heirloom tomato 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.



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

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

Results:

Results from this assay demonstrate that the tomato plant treated with Excite had increased biomass and better color than the control group.

Figure 1.



Conclusions:

Results from this assay demonstrate that Excite applied as a foliar spray on tomato plants may increase biomass and improve color in tomato plants.