

Soil Technologies Corp.
Research and Development Department



Research Report

Title: Excite Assay on Strawberry

Location: Gainesville, FL USA

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Abstract:

The purpose of this assay was to evaluate the effects of Excite¹ on strawberry plants in a nursery setting. Strawberry plants received four applications of Excite over a four-week period and were later observed for any changes.

Methods:

Strawberry plants of relatively equal size were grown in pots in a nursery setting. The soil used in this assay was a commercial organic potting soil with an analysis of less than 1% for NPK. The strawberry plants that are depicted in Figure 2 demonstrated signs of stress at the beginning of the test period. The plants in Figure 1 however, did not demonstrate any signs of stress.

Plants received foliar applications of Excite at 1% four times at one-week intervals. Following the treatment applications, the strawberry 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 plants that received Excite treatments had more biomass than the control group which indicates more successful recovery from the more stressed condition of the plants at the start of the treatments. It was also observed that the untreated plants had more yellow coloring compared to the treated plants.

Figure 1.



Figure 2.



Conclusions:

Results from this assay suggest Excite may help strawberry plants recover from stress as indicated by the treated groups increase of biomass compared to the control group. In addition, Excite treated plants had better color quality as the untreated plants demonstrated more yellow foliage compared to the treated group.