



BLACK EARTH COMPOST

Plant Trial Results and Analysis

Spring 2023, Groton Site

Summary

Below are the results from the Spring 2023 plant trials for the Groton Compost Facility. Compost and soil samples were tested. Both mediums were found to be non plant toxic with no growth inhibition detected.

Analysis

Sample ID: Groton Compost

Seedling Germination (% of control): 90% (Good)

Seedling Vigor (% of control): 95% (Good)

Weeds present (# per tray): 0 (excellent)

Evidence of herbicide contamination: None

Solvita test results: CO₂ score = 8 (excellent) NH₃ score = 5 (excellent)

Sample ID: Groton Soil Blend

Seedling Germination (% of control): 100% (Excellent)

Seedling Vigor (% of control): 100% (Excellent)

Weeds present (# per tray): 1 (Excellent)

Evidence of herbicide contamination: None

Findings

Compost and soil both performed at or above normal parameters, no evidence of herbicide contamination was found. Compost sample scored an 8/5 on the Solvita test, the best possible score indicating mature and stable compost. Results indicate both are performing as expected.