



Herbicide Trials Spring 2024 Report

Summary

Found below are results from the recently completed 2024 spring batch trial. One batch from each Black Earth Compost site was used along with a control tray. The trial includes a bio-assay for herbicide contamination as well as an overall vigor analysis of plant growth. All three compost batches performed well and have been approved for normal use and sale.

Analysis

Sample ID: Manchester Batch

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

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

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

Evidence of herbicide contamination: None

Sample ID: Framingham Batch

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

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

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

Evidence of herbicide contamination: None

Sample ID: Groton Batch

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

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

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

Evidence of herbicide contamination: None

Solvita test results:

Manchester Batch: CO2 score = 6 (good) NH3 score = 5 (excellent)

Framingham Batch: CO2 score = 7 (good) NH3 score = 5 (excellent)

Groton Batch: CO2 score = 7 (good) NH3 score = 5 (excellent)

Findings

All batches were found to be ready for normal use and sale. Compost is consistently mature across all sites. Growth in all three batches was vigorous. No herbicide damage of any kind was observed during the trial.