

## 2016 Soil Rehabilitation Study

Treatment 1 was guard plants in same row as other treatments

Treatment 2 was random field sampled plants from different rows

Treatment	n	Plant height (cm)	Number of Shoots	Early fall Coloring*	Vigor <sup>#</sup>
Vigor #					
1 Guard	29	<u>64.7</u> ab <sup>+</sup>	2.5	1.4 c	3.4 ab
2 Field samples	15	<u>60.1</u> bc	1.7	2.1 b	2.5 d
12 Worm casting tea	14	<u>56.5</u> c	2.0	1.9 <u>bc</u>	3.2 <u>bc</u>
15 Shiitake log compost	14	<u>59.0</u> bc	2.6	1.6 <u>bc</u>	3.3 <u>abc</u>
19 Coffee grounds	14	<u>58.9</u> bc	1.9	2.8 a	3.8 a
150 Ground pine bark	14	<u>57.1</u> c	1.6	1.8 <u>bc</u>	2.8 cd
155 Earthworm inclusion	14	<u>68.1</u> a	2.0	2.0 <u>bc</u>	3.4 ab
P value		0.0182	.379	0.0004	0.0005

\* Fall coloring scale 1 - 4, where 1 = early fall coloring (stress), and 4 = later fall coloring (less stress)

<sup>#</sup> Vigor scale 1 - 4, where 1 = low vigor, 4 = high vigor

<sup>+</sup> Means within columns with the same letters are not significantly different ( $P \leq 0.05$ ) according to the LSD test