



Article

Supplementary Materials: Persistence and Transfer of Foodborne Pathogens to Sunflower and Pea Shoot Microgreens during Production in Soil-Free Cultivation Matrix

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Table S1. Chemical composition analysis of SFCM in the presence or absence of sunflower or pea shoot microgreens on day 10 (Trial 2 only).

Analyte*, Unit	Biostrate			Peat		
	Sunflower	Pea Shoot	Unplanted	Sunflower	Pea Shoot	Unplanted
% Nitrogen	0.03	0.05	0.02	0.17	0.13	0.15
% Carbon	4.3	4.69	3.57	7.16	5.97	6.05
pH	7.4	7.6	7.0	5.9	6.0	5.7
EC ($\mu\text{mhos}/\text{cm}$)	593	1342	470	250	272	792
$\text{NO}_3\text{-N}$ (mg/L)	0.20	<0.07	0.25	5.9	9.5	36.2
$\text{NH}_4\text{-N}$ (mg/L)	11.8	89.8	5.0	3.5	5.3	4.6
P (mg/L)	23.6	24.0	5.5	5.8	1.6	5.2
K (mg/L)	20.0	86.6	24.3	10.7	10.3	32.0
Ca (mg/L)	1.2	1.5	1.2	6.2	5.4	17.7
Mg (mg/L)	0.90	2.5	1.6	10.5	9.4	34.8
S (mg/L)	1.4	4.9	0.7	14.1	8.6	24.1
Na (mg/L)	73.9	61.6	70.0	13.9	15.6	50.7
Fe (mg/L)	0.08	0.13	0.08	1.2	1.0	1.0
Mn (mg/L)	0.01	0.01	0.006	0.15	0.12	0.38
Zn (mg/L)	0.02	0.10	0.007	0.04	0.04	0.04
Cu (mg/L)	0.01	0.03	0.007	0.07	0.05	0.05
B (mg/L)	0.02	0.01	0.010	0.08	0.06	0.11

*Each chemical analysis was determined on an as-is basis without drying before sample analysis. Units for each analyte are on the left-hand column; percent refers to the % total weight of the sample. EC; electrical conductivity, $\mu\text{mhos}/\text{cm}$ is a measure of conductance, also known as a ‘Siemen’ or the reciprocal of an ohm (resistance).