

Table S1. Chemico-physical properties of growing substrates analysed at the final stage of plant cultivation in relation to water regime.

Parameters	TS0		TS50		TS100	
	WR1	WR2	WR1	WR2	WR1	WR2
Bulk density (g cm ⁻³)	0.39	0.37	0.82	0.91	1.04	1.04
pH	6.5	5.8	6.1	6.2	7.2	6.8
EC (dS m ⁻¹)	0.13	0.15	0.38	0.26	0.23	0.12
TN (%)	0.53	0.59	0.17	0.19	0.11	0.15
TOC (%)	10.69	15.90	2.14	2.38	1.51	6.59
Phosphorus (g Kg ⁻¹)	0.59	0.65	0.71	0.66	0.75	0.79
NO ₃ ⁻ (mg Kg ⁻¹)	8.3	20.8	28.9	25.3	34.0	20.8
NH ₄ ⁺ (mg Kg ⁻¹)	1.43	2.25	3.16	3.81	0.88	1.08
Minerals (g Kg⁻¹)						
Pb	0.01	0.02	0.04	0.03	0.03	0.04
Fe	4.71	6.98	13.60	12.45	12.44	14.41
Cr	0.00	0.00	0.04	0.04	0.05	0.05
Cu	0.04	0.10	0.11	0.09	0.06	0.08
Zn	0.05	0.11	0.16	0.16	0.16	0.16
Ni	0.00	0.00	0.04	0.04	0.04	0.04
Mn	0.32	0.50	0.38	0.41	0.38	0.59
Mg	1.84	2.23	3.47	3.32	3.25	3.70
Cd	-	-	-	-	-	-
K	4.30	5.55	4.81	4.10	2.41	2.37
Ca	5.63	6.98	11.94	11.83	12.69	12.46
Na	0.98	1.33	1.03	0.81	0.61	0.66
Enzymatic activity (μmol/g⁻¹ h⁻¹)						
β-Glucosidase	854	623	325	282	267	169
Phosphatase	2238	1630	337	351	229	260
Aryl Sulfatase	147	430	125	127	74	63
Butyrate esterase	3416	1936	1404	1384	1109	1161