

Supplementary files

Table S1. Growing media (Peat, *O. dubium* residue -ODR) physicochemical properties after plant harvesting (at the end of the growing period).

	Peat 100%	ODR 5%	ODR 10%	ODR 20%	ODR 40%
pH	6.55 ± 0.04c	6.63 ± 0.09c	6.87 ± 0.06b	7.11 ± 0.08a	7.23 ± 0.01a
EC (mS/cm)	1.15 ± 0.11a	1.12 ± 0.08b	1.31 ± 0.12ab	1.15 ± 0.24b	1.24 ± 0.08ab
Organic matter (%)	75.90 ± 1.87b	76.81 ± 4.34ab	74.60 ± 2.62b	77.59 ± 1.27ab	81.20 ± 1.91a
Organic C (%)	44.03 ± 1.08b	44.55 ± 2.52ab	43.27 ± 1.52b	45.01 ± 0.73ab	47.10 ± 1.11a
C/N ratio	52.72 ± 4.28a	52.89 ± 7.79a	46.56 ± 2.94ab	39.38 ± 2.82b	51.20 ± 3.62a
N (g/kg)	8.37 ± 0.49b	8.51 ± 0.96b	9.30 ± 0.27b	11.47 ± 0.98a	9.22 ± 0.57b
K (g/kg)	3.22 ± 0.37b	3.56 ± 0.27b	4.55 ± 0.18a	4.80 ± 0.53a	4.42 ± 0.15a
P (g/kg)	2.50 ± 0.42a	1.37 ± 0.07c	2.09 ± 0.27b	1.97 ± 0.58abc	1.69 ± 0.28bc
Ca (g/kg)	20.33 ± 1.45a	17.60 ± 1.50b	18.50 ± 0.96ab	20.55 ± 1.99a	14.93 ± 0.87c
Mg (g/kg)	1.48 ± 0.14c	1.56 ± 0.12bc	1.78 ± 0.06b	2.29 ± 0.24a	2.24 ± 0.12a
Na (g/kg)	2.73 ± 0.38b	3.14 ± 0.17a	2.78 ± 0.01ab	2.97 ± 0.05ab	2.33 ± 0.06c

Values are mean ± SD (n = 4). In each row, values followed by the same letter do not differ significantly at P<0.05.

Table S2. Growing media (Peat, *S. cypria* residue -SCR) physicochemical properties after plant harvesting (at the end of the growing period).

	Peat 100%	SCR 5%	SCR 10%	SCR 20%	SCR 40%
pH	6.55 ± 0.04d	6.60 ± 0.10d	6.76 ± 0.02c	7.18 ± 0.07b	8.21 ± 0.08a
EC (mS/cm)	1.15 ± 0.11a	1.01 ± 0.05b	1.30 ± 0.05ab	1.37 ± 0.40ab	1.15 ± 0.28ab
Organic matter (%)	75.90 ± 1.87	76.10 ± 3.20	73.53 ± 1.96	77.96 ± 4.41	78.88 ± 1.35
Organic C (%)	44.03 ± 1.08	44.14 ± 1.86	42.65 ± 1.14	45.22 ± 2.56	45.75 ± 0.78
C/N ratio	52.72 ± 4.28a	52.87 ± 1.88a	47.45 ± 2.93ab	43.79 ± 5.93bc	38.54 ± 2.31c
N (g/kg)	8.37 ± 0.49c	8.36 ± 0.56c	9.00 ± 0.48c	10.40 ± 0.91b	11.90 ± 0.84a
K (g/kg)	3.22 ± 0.37b	3.04 ± 0.20b	3.95 ± 0.89b	4.04 ± 0.78b	8.08 ± 0.55a
P (g/kg)	2.50 ± 0.42a	1.42 ± 0.29b	1.64 ± 0.32b	1.63 ± 0.11b	1.48 ± 0.13b
Ca (g/kg)	20.33 ± 1.45	19.64 ± 0.18	20.75 ± 1.62	20.39 ± 0.88	20.14 ± 0.95
Mg (g/kg)	1.48 ± 0.14c	1.46 ± 0.01c	1.78 ± 0.19b	1.75 ± 0.02b	2.43 ± 0.06a
Na (g/kg)	2.73 ± 0.38b	2.67 ± 0.12b	3.18 ± 0.73b	2.76 ± 0.46b	4.13 ± 0.23a

Values are mean ± SD (n = 4). In each row, values followed by the same letter do not differ significantly at P<0.05.

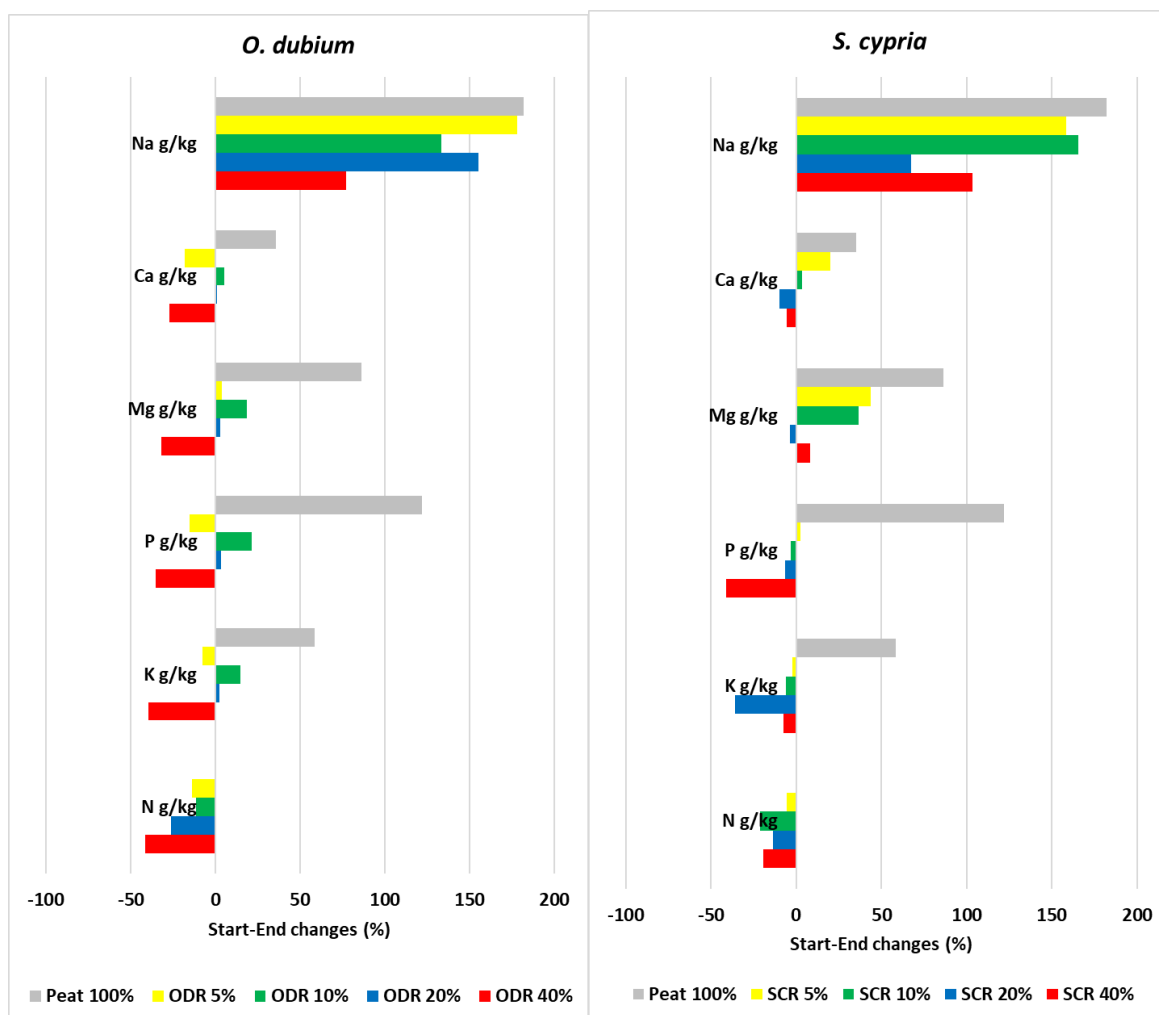


Figure S1. Growing media (Peat, *O. dubium* residue -ODR, *S. cypria* residue -SCR) mineral composition (% of changes from initial to final material) after plant harvesting (at the end of the growing period).