SUPPLEMENTAL MATERIALS

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Understanding Nitrogen and Phosphorus Leaching from Compost Addition to Bioretention Media

Dylan C. Owen, Colleen Gardina, Travis K. Ostrom, and Allen P. Davis

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Table S1: Media compositions in mesocosm columns. 30G = 30% green waste, 15G = 15% green waste, 15G+WTR = 15% green waste and WTR, 30B = 30% biosolids, 15B = 15% biosolids, 30WB = 30% washed biosolids, WTR = water treatment residual, and BSM = bioretention soil medium.

Column ID	BSM	30G	15G	15G + WTR	30B	15B	30WB
BSM %[1]	100	70	85	81.3	70	85	70
Compost %[1]	0	30	15	15	30	15	30
Compost Source	N/A	green waste	green waste	green waste	biosolids	biosolids	biosolids
WTR %[1]	0	0	0	3.8	0	0	0

[1] Percent by volume.

Table S2: Composition of synthetic stormwater used in mesocosm column studies.

Component	Value	Source (CAS)	Manufacturer
Nitrate, NO_3-N	1 mg/L as N	$NaNO_3$ (7631-99-4)	J.T. Baker
Organic N	2 mg/L as N	Glycine (56-40-6)	Alfa Aesar
Phosphorus	0.2 mg/L as P	Tap water	N/A
Copper	0.06 mg/L	$CuCl_2$ (10125-13-0)	Acros Organics
Zinc	0.5 mg/L	$ZnCl_2$ (7646-85-7)	Fisher Chemical
Dissolved Solids	80 mg/L	$CaCl_2$ (10043-52-4)	J.T. Baker
	100 mg/L	NaCl (7647-14-5)	Sigma-Aldrich
Sodium Bisulfite	2.2 mg/L	$NaHSO_3$ (7631-90-5)	J.T. Baker
pH	~7	Tap water	N/A

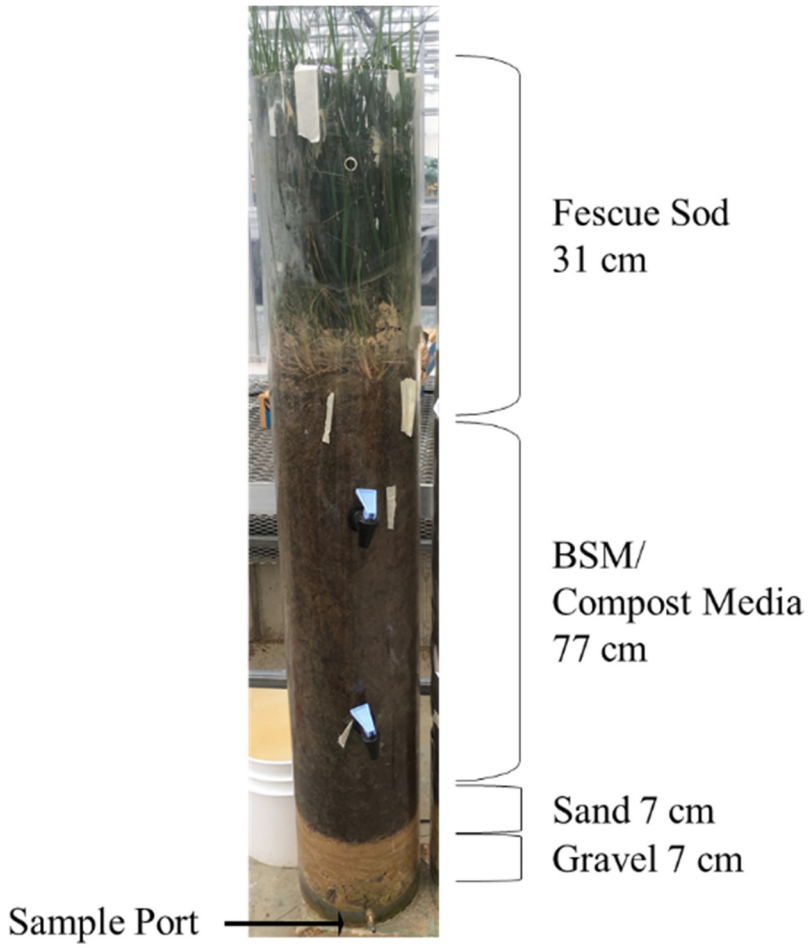

Figure S1: Column setup.