Table S1. Physicochemical properties of the biochar

Physicochemical properties	**BQ-Maple-500-3**
Pyrolysis temperature	500^0C
pH	7.78 ± 0.05
CEC (cmol+/kg)	18.8 ± 0.96
C total (%)	69.4
Ash content (%)	12.2
N (%)	0.77 ± 0.01
P (mg/kg)	348 ± 148
$K_{exchangeable}$ ($cmol^+/kg$)	6.27 ± 0.43
$Na_{exchangeable}$ ($cmol^+/kg$)	0.15 ± 0.01
$Mg_{exchangeable}$ ($cmol^+/kg$)	1.19 ± 0.06
$Ca_{exchangeable}$ ($cmol^+/kg$)	11.1 ± 0.5
EC (dS/m)	0.38
Porosity total (m^3/m^3)	0.81
ρ_s (g/cm^3)	1.54 ± 0.01

Adapted from Allaire et al (2015)

Reference

Allaire, S.E., S.F. Lange, I.K. Auclair, M. Quinche and L. Greffard. 2015. Analyse des propriétés de biochars. Centre de Recherche sur les Matériaux Renouvelables, Rapport, Université Laval.

Table S2. Chemical properties of the peat moss

Chemical properties	Peat moss
pH	3.1-3.9
CEC (meq/l)	60-80
C/N ratio	80-125

Adapted from Fafard (2016)

Reference

Fafard. 2016. Fiche technique. www.fafard.ca/products/regular-sphagnum-peat-moss