



Figure S1. Size distribution of the six pecan biochars. BB, Branch biochar; TB, Trunk biochar; RB, Root biochar; NSB, Nut shell biochar; HB, Husk biochar; LB, Leaf biochar.

Table S1. Heavy metal contents in the six pecan biochars.

Biochar	Fe mg kg ⁻¹	Mn	Zn	Cr	Cu ug kg ⁻¹	Pb	Cd
BB	2.06±0.08c	0.42±0.02c	0.10±0.01d	0.02±0.00c	11.67±0.41d	3.53±1.02b	0.55±0.20a
TB	1.84±0.24c	0.83±0.01a	0.12±0.00c	0.02±0.00c	15.67±1.95c	3.51±0.46b	0.61±0.30a
RB	1.43±0.04c	0.27±0.02e	0.07±0.01e	0.01±0.00c	12.51±0.55cd	1.03±0.68c	0.22±0.08b
NSB	0.39±0.07d	0.34±0.02d	0.07±0.01e	0.03±0.01c	12.29±0.61cd	5.05±0.51ba	ND
HB	6.09±0.19b	0.22±0.01f	0.31±0.010a	1.64±0.34b	23.77±3.66b	1.11±2.30b	ND
LB	21.65±0.78a	21.65±0.78b	0.15±0.01b	3.37±0.22a	41.35±0.88a	5.77±0.13a	0.32±0.16ab

Note: Duncan method was used for multiple comparisons, with the significant differences between six pecan biochars represented by different letters ($p < 0.05$). ND, not detectable. BB, Branch biochar; TB, Trunk biochar; RB, Root biochar; NSB, Nut shell biochar; HB, Husk biochar; LB, Leaf biochar.