

Article

Biochar Stimulated Actual Evapotranspiration and Wheat Productivity under Water Deficit Conditions in Sandy Soil Based on Non-Weighing Lysimeter

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Table S1. Eigenvalue, variability (%), and Cumulative (%) for thirteen components. Contribution of the traits (%) and component loadings for studied traits on first and second components.

Component	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13
Eigenvalue	12.683	2.099	0.341	0.265	0.190	0.132	0.096	0.079	0.057	0.031	0.023	0.002	0.001
Variability (%)	79.26	13.12	2.13	1.66	1.19	0.83	0.60	0.49	0.36	0.19	0.14	0.02	0.01
Cumulative (%)	79.26	92.38	94.51	96.17	97.36	98.19	98.79	99.28	99.64	99.83	99.97	99.99	100.0
Traits	Contribution of the traits (%)				Component loadings								
	PC1		PC2		PC1		PC2						
GY	7.531		1.169		0.977		0.157						
IS	6.871		0.058		0.934		-0.035						
DS	6.067		8.493		0.877		-0.422						
MS	6.319		8.573		0.895		-0.424						
LS	7.045		2.716		0.945		-0.239						
ETa	6.630		7.285		0.917		-0.391						
PH	6.276		3.573		0.892		0.274						
SL	6.727		2.412		0.924		0.225						
NGS	7.018		0.851		0.943		0.134						
NS m ⁻²	6.034		0.291		0.875		0.078						
T-GW	6.116		5.492		0.881		0.340						
BY	7.581		0.001		0.981		-0.004						
SY	6.951		1.294		0.939		-0.165						
HI	6.031		7.885		0.875		0.407						
CI	6.100		7.629		0.880		0.400						
WUE	0.703		42.278		-0.298		0.942						

Grain yield (GY), ETa at initial stage (IS), ETa at development stage (DS), ETa at mid stage (MS), ETa at late stage (LS), actual evapotranspiration (ETa), plant height (PH), spike length (SL), number of grains spike⁻¹ (NGS), number of spikes

m⁻² (NS m⁻²), 1000-grain weight (T-GW), biological yield (BY), straw yield (SY), harvest index (HI), crop index (CI), water use efficiency (WUE).