

Supplementary Material

Table S1. Absorbances at 465 nm and 665 nm in soil solution extracted with commercial humic substances solution at different rates and adjusted pH conditions. Mean \pm standard deviation, $n = 3$. Values within a column followed by the same capital letter are not significantly different between different HS rates ($p < 0.05$). Values within a row followed by the same lower-case letter are not significantly different between different pH conditions ($p < 0.05$).

Treatment	Abs 465 nm			Abs 665 nm		
	pH 4.5	pH 6.0	pH 8.0	pH 4.5	pH 6.0	pH 8.0
HS0 ¹	0.09Ab \pm 0.01	0.08Aab \pm 0.00	0.07Aa \pm 0.00	0.13Aa \pm 0.00	0.12Aa \pm 0.01	0.11Aa \pm 0.01
HS0.5	0.08Aa \pm 0.00	0.08Aa \pm 0.01	0.08Aa \pm 0.00	0.13Aa \pm 0.01	0.12Aa \pm 0.01	0.12Aa \pm 0.00
HS2	0.10Aa \pm 0.00	0.11Aa \pm 0.01	0.11Aa \pm 0.01	0.12Aa \pm 0.00	0.13Aa \pm 0.01	0.12Aa \pm 0.01
HS10	0.22Ba \pm 0.03	0.44Ba \pm 0.02	0.89Bb \pm 0.21	0.13Aa \pm 0.01	0.18Ba \pm 0.00	0.27Bb \pm 0.05
	<i>df</i>	<i>F</i>		<i>df</i>	<i>F</i>	
Treatment ²	3	65.907 ***		3	35.716 ***	
pH	2	9.547 **		2	3.803 NS	
Treatm *pH	6	12.860 ***		6	12.187 ***	

¹ Rates of commercial humic substances (HS): 0, 0.5, 2 and 10 g kg⁻¹. ² Two-Way ANOVA: *df*, degree of freedom; ** $p < 0.01$; *** $p < 0.001$; NS, not significant.