

Supplementary material

Table 1. Description of the seasonal agricultural practices and fertilizer inputs during the experimental period.

Cropping Season	Treatment	Prior to Corn Sowing (Oct/Nov)				Sowing (Nov/Dec)	Corn growth		Harvesting* (May/June)	Soil Sampling* (May/June)	
		Tillage *	Liming**	Corrective Fertilization*	Biochar (t ha ⁻¹)	Fertilization	Sidedress Fertilization	Weed Control*			
2015	Control	Soil was plowed and harrowed	All treatments received 1.24 t ha ⁻¹ of dolomite lime	87.3 kg ha ⁻¹ P (1110 kg ha ⁻¹ single superphosphate)	-	-	-	-	Manual control	Manual control	Post-harvest
	NPK			-	NPK ^b	NK ^d					
	BC300			15	-	-					
	BC300 + NPK			15	NPK	NK					
	BC500			15	-	-					
BC500 + NPK	15	NPK	NK								
2016	Control	No-till	-	43.6 kg ha ⁻¹ P (555 kg ha ⁻¹ single superphosphate)	-	-	-	-	Manual control	Manual control	Post-harvest
	NPK			-	NPK	NK					
	BC300			15	-	-					
	BC300 + NPK			15	NPK	NK					
	BC500			15	-	-					
BC500 + NPK	15	NPK	NK								
2017	Control	No-till	-	As required by each plot	-	-	-	-	Manual control	Manual control	Post-harvest
	NPK				-	NPK	NK				
	BC300				-	-	-				
	BC300 + NPK				-	NPK	NK				
BC500	-	-	-								

BC500 +
NPK

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NPK

NK
