

Table S1. Some physico-chemical properties of RHB and EFBB

Properties	RHB	EFBB
Moisture Content (%)	6	5
Ash Content (%)	32.40	19.72
pH	8.15	8.53
CEC (cmol _c kg ⁻¹)	48.12	57.30
Total C (%)	24.86	52.11
Total N (%)	1.13	0.38
Total S (%)	0.15	0.15
Exchangeable K (cmol _c kg ⁻¹)	17.45	14.86
Exchangeable Ca (cmol _c kg ⁻¹)	19.46	5.08
Exchangeable Mg (cmol _c kg ⁻¹)	13.96	34.15
Total P (mg kg ⁻¹)	3098.40	1898.40
Extractable Fe (mg kg ⁻¹)	43.06	24.51
Extractable Fe (mg kg ⁻¹)	23.51	10.74

Table S2. Effect of different amendments on the nutrient concentration in acid soils (mean±SE)

Treatment	pH	P (mg kg ⁻¹)	K (cmolc kg ⁻¹)	Ca (cmolc kg ⁻¹)	Mg (cmolc kg ⁻¹)	Al (cmolc kg ⁻¹)	Fe (mg kg ⁻¹)	Mn (mg kg ⁻¹)
Palm oil empty fruit branch biochar	5.91±0.04 b	8.19±0.1 b	1.3±0.02 b	3.93±0.02 b	1.52±0.01	0.25±0.02 a	58.32±1.3 a	5.59±0.1 b
Rice husk biochar	6.11±0.02 a	11.55±0.2 a	1.4±0.01 a	4.10±0.02 a	1.50±0.01	0.12±0.01 b	46.50±0.8 b	6.09±0.0 a
P -Value	<0.01	<0.01	<0.01	<0.01	0.51	<0.01	<0.01	<0.01

Table S3. Effect of different amendments on the yield and nutrient concentration in maize plants (mean±SE)

[illegible]