Supplementary information

Table S1:   Properties of peanut biosolid material

Property	Value
pH (H_2O solution; 1:2.5 dilution)	10.1
EC (md cm^{-1})	300
Ash % (moisture-free basis)	6.65
Carbon % (moisture-free basis)	67.4
Nitrogen % (moisture-free basis)	1.3

Plots were 8 x 5.4 m, with a 2 m interval between plots and a 1.8 m interval between blocks.

Each plot contained 6 rows of maize (0.9 m apart), with all samples and data collected from the inner rows (solid)

No Biochar No AVG

No Biochar With AVG

Biochar No AVG

Biochar With AVG

No irrigation

68m

10m

Irrigation

58m

N

1 2 3 4 5

Blocks
(established along topography gradient)
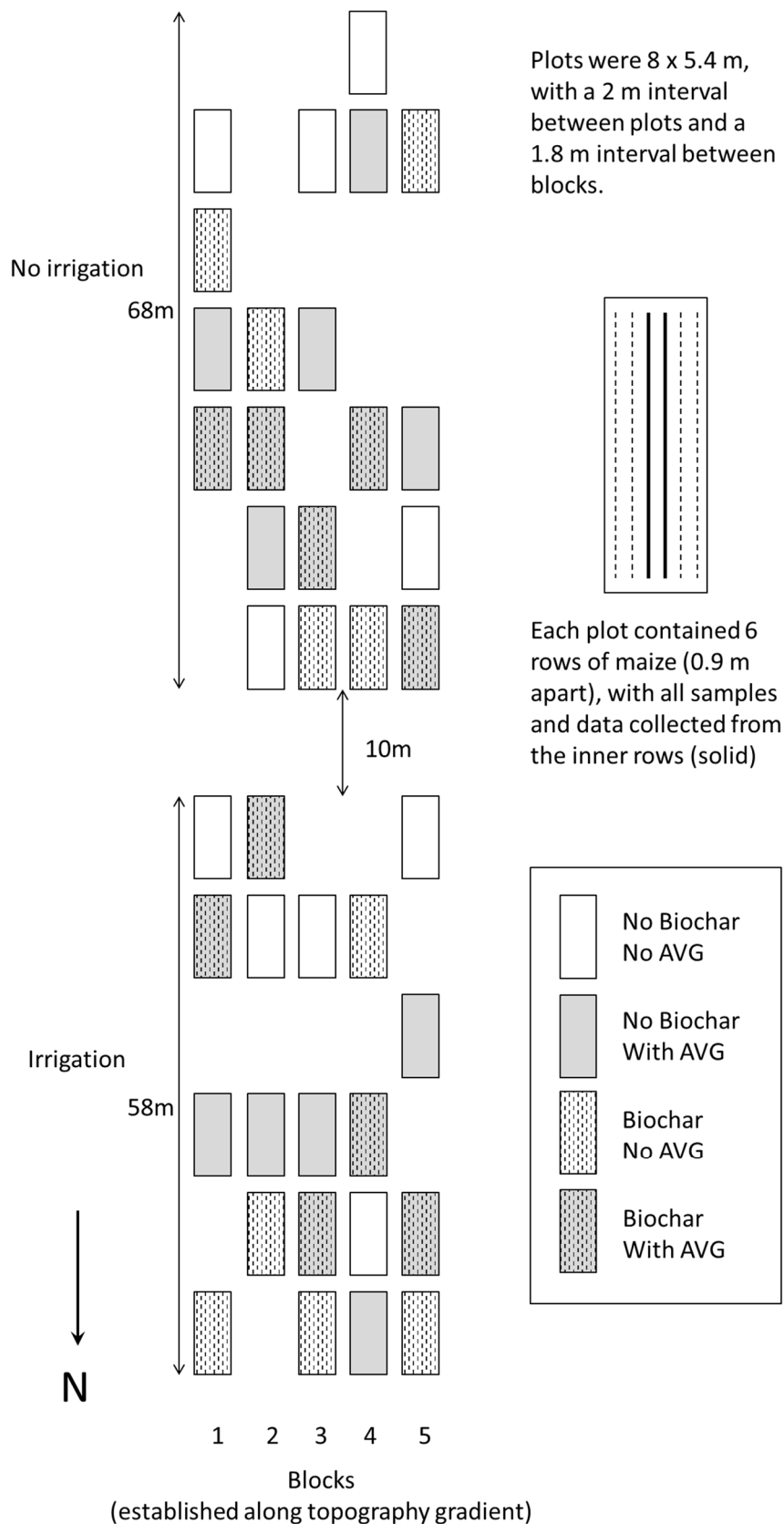
Fig. S1. Physical layout of the trial plots; areas not included in the trial were also planted at the same time as plot establishment using the same methodology (machine planting at 4 plants m^{-2}).