

Supplementary Tables

*Biogas slurry sustains biochar-mediated crop resilience through enhanced soil pore connectivity*

**Supplementary Table 1 | EDS elemental composition (wt%) of biochar before field application and after six years in soil. RC denotes biochar retained from before field application in 2019; C1B0 and C1B1 denote biochar recovered after six years. Each column represents one mapped material and is therefore descriptive rather than a plot-level treatment estimate.**

| Element | RC    | C1B0  | C1B1  |
|---------|-------|-------|-------|
| C       | 17.17 | 48.06 | 41.98 |
| N       | 2.25  | 3.39  | 5.18  |
| O       | 43.20 | 37.36 | 35.90 |
| P       | 3.46  | 1.92  | 4.67  |
| K       | 0.25  | 0.42  | 0.59  |
| Ca      | 33.05 | 8.11  | 10.90 |