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**Supp Figure 1 Maize growth and productivity as affected by amendment type and fertilizer regimes.**

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**Suppl Figure 2** **Interactive effect of maize growth and productivity on amendment, year, rate of application, and fertilizer regimes.**

**Suppl Table 1 Treatment details**

|  |  |  |
| --- | --- | --- |
| **Factor 1 (Amendments)**  | **Factor 2 (Rate)**  | **Factor 3 (Inorganic fertilizer)**  |
| 1. No material - (A1)
 | Low - (L)  | No fertilizer - (N)  |
| 1. Apple biochar (400℃) - (A2)
 | Medium - (M)  | RDF (recommended dose of fertilizer) - (F)  |
| 1. Apple biochar (600℃) - (A3)
 | High - (H)  |
| 1. Apple residue biomass - (A4)
 |
| 1. Dal weed biochar (400℃) - (A5)
 |
| 1. Dal weed biochar (600℃) - (A6)
 |
| 1. Dal weed residue biomass - (A7)
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