**Supplementary Table 1**: Soil characteristics at soil depth 0-20 cm of the study area.

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| --- | --- |
| Parameter | Soil layer  (0-20 cm) |
| Clay (%) | 7.00 |
| Silt (%) | 44.3 |
| Sand (%) | 48.7 |
| Bulk density (g cm-3) | 1.40 |
| pH | 7.5 |
| ECe (dS m-1) | 2.0 |
| Ca 2+ (g kg-1) | 0.053 |
| Mg 2+ (g kg-1) | 0.031 |
| K + (g kg-1) | 0.016 |
| Na +(g kg-1) | 0.032 |
| N total (g kg-1) | 0.757 |
| Total carbon (g kg-1) | 17.3 |
| Available P (mg kg-1) | 15.58 |
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