**Table S1: Soil physical and chemical properties of experimental site**

|  |  |
| --- | --- |
| **Particulars** | **Content** |
| **I. Physical properties** |
| PH | 5.63 |
| EC (dS m-1) | 0.17 |
| **II. Chemical analysis** |
| Organic carbon (%) | 2.48 |
| Available Phosphorus (kg ha-1) | 26.21 |
| Available Potassium (kg ha-1) | 277.48 |
| Available Calcium (mg kg-1) | 539.40 |
| Available Magnesium (mg kg-1) | 250.91 |
| Available Sulphur (mg kg-1) | 13.68 |
| Available Zinc (mg kg-1) | 2.06 |
| Available Ferrous (mg kg-1) | 39.11 |
| Available Copper (mg kg-1) | 16.92 |
| Available Manganese (mg kg-1) | 37.32 |
| Available Boron (mg kg-1) | 0.97 |

**Table S2: Meteorological data recorded during experimental period at the Central Coffee Research Institute, Balehonnur**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Months** | **Temperature (ºC)** | **RH (%)** | **Rainfall (mm)** | **Sunshine (hrs)** |
| **2020-21** | **2021-22** | **2020-21** | **2021-22** | **2020-21** | **2021-22** | **2020-21** | **2021-22** |
| **Max.** | **Min.** | **Max.** | **Min.** | **Max.** | **Min.** | **Max.** | **Min.** |
| **January** | 28.5 | 17.5 | 25.3 | 16.5 | 96 | 51 | 75 | 98 | - | 135.6 | 7.5 | 6.0 |
| **February** | 30.0 | 17.0 | 26.0 | 16.3 | 87 | 35 | 95 | 82 | - | 72.4 | 8.1 | 4.5 |
| **March** | 30.8 | 18.8 | 29.7 | 16.7 | 90 | 53 | 95 | 46 | 23.2 | 5.6 | 6.5 | 6.5 |
| **April** | 31.0 | 20.0 | 29.8 | 19.5 | 95 | 44 | 92 | 63 | 72.2 | 87.6 | 6 | 6.5 |
| **May** | 28.3 | 21.0 | 27.8 | 19.5 | 98 | 70 | 92 | 55 | 218.6 | 230.8 | 4.5 | 6.0 |
| **June** | 26.5 | 19.5 | 26.3 | 20.0 | 97 | 80 | 96 | 49 | 269.6 | 353.4 | 4.0 | 4.5 |
| **July** | 24.8 | 19.5 | 26.3 | 19.5 | 96 | 79 | 96 | 66 | 439.9 | 782.2 | 1.5 | 3.0 |
| **August** | 23.0 | 19.0 | 25.4 | 17.4 | 96 | 78 | 97 | 78 | 1057.4 | 297.4 | 1.0 | 3.5 |
| **September** | 24.3 | 19.5 | 26.0 | 19.0 | 96 | 79 | 97 | 82 | 465.6 | 186.4 | 1.0 | 3.5 |
| **October** | 24.8 | 18.5 | 27.0 | 21.8 | 97 | 72 | 95 | 80 | 163.2 | 284.6 | 3.5 | 4.5 |
| **November** | 25.8 | 16.3 | 26.0 | 19.2 | 95 | 63 | 97 | 78 | 44.0 | 195.6 | 4.0 | 4.0 |
| **December** | 26.3 | 16.3 | 28.0 | 16.0 | 96 | 73 | 97 | 58 | 1.4 | 9.8 | 5.0 | 7.0 |
| **Max – Maximum, Min – Minimum, RH – Relative humidity**  |