

Table S1. Chemical and physical characteristics of soil substrate used in avocado nursery

Characteristic	Value
Texture	Sandy-loam
pH	5.5
Electrical conductivity (EC)	0.34 dS m ⁻¹
Soil Organic Matter (SOM)	18%
Total Phosphorus (P _{Total})	7 mg kg ⁻¹
Soluble Phosphorus (P _{Soluble})	0.013 mg L ⁻¹
Sulfur (S)	26 mg kg ⁻¹
Calcium (Ca)	3.4 cmol ⁽⁺⁾ kg ⁻¹
Magnesium (Mg)	1.3 cmol ⁽⁺⁾ kg ⁻¹
Potassium (K)	0.69 cmol ⁽⁺⁾ kg ⁻¹
Cation Exchange Capacity (CEC)	5.33 cmol ⁽⁺⁾ kg ⁻¹
Ca _{Sat}	62.9%
Mg _{Sat}	24.2%
K _{Sat}	12.9%
Iron (Fe)	53 mg kg ⁻¹
Manganese (Mn)	7 mg kg ⁻¹
Copper (Cu)	3 mg kg ⁻¹
Zinc (Zn)	2 mg kg ⁻¹
Boron (B)	0.09 mg kg ⁻¹
Ca/Mg	2.6
Mg/K	1.9
Ca/K	4.9
Ca+Mg/K	6.7