

**The use of the TDR300 in measuring the effectiveness of climate change adaptation practices for coffee (soil moisture)**

**Measurement tool:** TDR300

**Make and model:** Spectrum – TDR300

**Description:** The TDR300 is a tool developed to measure the volumetric percentage of water in the soil (VWC) by means of reflectrometry, thereby generating instantaneous readings. It has a storage facility to allow multiple readings (up to 3,000) and software to perform data management and mapping according to the need. There are different length rods that can be used for different depths depending on where the roots of the crop are concentrated.

**Use in agriculture:** The TDR300 can provide relevant information on the volumetric percentage of water in the soil, which is essential for making decisions on how to preserve/increase soil moisture, whether by using shade, soil covers or others (e.g. polymers).

**Data generated:** % Volume of water in the soil (VWC) and relative water content (RWC). It is important to take the provided table into account, depending on the type of soil.

**Use of the TDR300 in coffee growing:**

TDR300	Use of the TDR300 in coffee
	