Annex. Soil method analysis and Origuero soil properties

## Soil methods analysis

Texture was assessed by Gee & Bauder's (1986) method after removing carbonates with 0.5 M HCl. The pH (1:5 m/v) was measured by pH meter, electrical conductivity by a potentiometer and P<sub>Olsen</sub> extracted by Olsen *et al.* (1954), measured by Murphy & Riley (1962) in the UV light spectrophotometer instrument. Micronutrients (Fe<sub>DTPA</sub>, Cu<sub>DTPA</sub>, Mn<sub>DTPA</sub> and Zn<sub>DTPA</sub>) were extracted with diethylenetriaminepentaacetic acid (DTPA) and measured by atomic absorption spectrophotometer.

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Property <sup>a</sup>	Unit	
Clay	g kg <sup>-1</sup>	365
Silt	g kg <sup>-1</sup>	107
Sand	g kg <sup>-1</sup>	197
Organic carbon	g kg <sup>-1</sup>	9.0
Calcium carbonate equivalent	g kg <sup>-1</sup>	370
Active lime	g kg <sup>-1</sup>	165
pH (H <sub>2</sub> O)		8.0
EC	dS m <sup>-1</sup>	0.11
Cation exchange capacity	cmol <sub>c</sub> kg <sup>-1</sup>	34.5
Mg <sub>CEC</sub>	cmol <sub>c</sub> kg <sup>-1</sup>	6.7
KCEC	cmol <sub>c</sub> kg <sup>-1</sup>	1.4
Olsen P	mg kg⁻¹	10.8
Fe <sub>DTPA</sub>	mg kg <sup>-1</sup>	5.4
Mn <sub>DTPA</sub>	mg kg <sup>-1</sup>	2.7
Zndtpa	mg kg <sup>-1</sup>	0.22
Classification	WRB 2014	Calcic Vertisol

## **Origuero soil properties**

EC, electrical conductivity of the 1:5 soil:water extract. Subscript: DTPA, diethylenetriaminepentaacetic acid extractable

Annex to the article "Optimizing wheat seed treatment with entomopathogenic fungi for improving plant growth at early development stages", by Adrián González-Guzmán, Antonio R. Sánchez-Rodríguez, Enrique Quesada-Moraga, Maria C. del Campillo and Meelad Yousef-Yousef. Spanish Journal of Agricultural Research, Vol. 19, No. 4, 2021 (https://doi.org/10.5424/sjar/2021194-17120)