

**Table S9: Soil physical and chemical properties measured before the experiment (February 2010).**

Soil depth (cm)	Soil properties								
	Sand (%)	Silt (%)	Clay (%)	SP <sup>a</sup> (%)	CEC <sup>b</sup> (meq100 g <sup>-1</sup> )	K <sup>c</sup> (mg kg <sup>-1</sup> )	P <sup>d</sup> (mg kg <sup>-1</sup> )	CaCO <sub>3</sub> (%)	O.M. <sup>e</sup> (%)
0-30	46.0±3.3	26.0±0.8	28.0±3.4	48.2±3.0	27.7±3.7	53.2±4.2	12.6±2.8	21.8±2.5	0.56±0.03
30-60	43.8±5.0	26.8±2.3	29.4±5.5	47.2±6.0	26.9±4.8	43.2±2.6	6.5±1.5	25.2±4.1	0.45±0.04
60-90	43.4±7.6	23.6±1.2	33.0±6.8	47.6±6.0	28.0±5.4	45.9±2.6	3.7±0.5	25.4±4.6	0.39±0.03

Numbers are mean values of five sampling locations ± standard error of the mean.

<sup>a</sup> Saturation percentage.

<sup>b</sup> Cation exchange capacity, determined with sodium acetate extraction.

<sup>c</sup> CaCl<sub>2</sub> extraction.

<sup>d</sup> Olsen bicarbonate extraction.

<sup>e</sup> Organic matter content.

\*The average soil saturated paste extract pH value was 7.6.

\*Data was previously published in Haberman et al. (2019).