Supplementary information 2. Physico-chemical characteristics of soil and irrigation water

A. Physical Analysis of Soil

D_b ($g\ cm^{-3}$)	Soil Water Content (%)			Soil Particles (%)			Soil Texture
	SP	FC	PWP	Clay	Silt	Sand	
1.39	38	22	9	33	39	28	Clay Loam

B. Chemical Analysis of Soil: Soluble Chemicals

pH	EC ($dS\ m^{-1}$)	SAR	Cations (meq 100 g^{-1} Soil)				Anions (meq 100 g^{-1} Soil)			
			Na^+	K^+	Ca^{2+}	Mg^{2+}	Cl^-	HCO_3^-	CO_3^-	SO_4^-
7.8	1.1	0.42	1.1	4.9	6.6	7.1	2.4	4.2	3.9	7.1

C. Chemical Analysis of Soil: Chemical Ingredients

CEC (meq 100 g^{-1} soil)	ESP (%)	$CaCO_3$ (%)	Organic Ingredients (%)		Macro-nutrient Ingredients (mg kg^{-1} Soil)		
			OM	OC	Total N	Available P	Available K
19.7	5.58	10.4	0.76	0.41	0.06	8.1	96

D. Chemical Analysis of Irrigation Water: Soluble Chemicals

pH	EC ($dS\ m^{-1}$)	SAR	Cations (meq L^{-1})				Anions (meq L^{-1})			
			Na^+	K^+	Ca^{2+}	Mg^{2+}	Cl^-	HCO_3^-	CO_3^-	SO_4^-
7.4	0.7	0.16	0.3	2.9	3.6	3.1	3.9	3.5	3.1	2.8

D_b: soil bulk density; SP: saturation point; FC: field capacity; PWP: permanent wilting point; pH: power of H^+; EC: electrical conductivity; SAR: sodium adsorption ratio; CEC: cation exchange capacity; ESP: exchangeable sodium percentage.