

Supplementary Material

Table S1. Physical properties and mineral content of the soil in the research plot. Samples were collected from the 2–30 cm layer.

pH	EC (dS/m)	Cl (meq/ L)	Na (meq/L)	Ca+Mg (meq/L)	SAR	P (mg/kg)	K-CaCl ₂ (mg/L)
7.82 ± 1.13	1.20 ±0.15	5.02 ±0.86	5.53 ±0.4	7.43 ±1.8	2.87 ±0.30	73.9 ± 4.23	8.56 ± 1.4

Data are means ± SE (n = 4; each replicate consisted of 4 samples).

Table S2. Multiyear meteorological data. Data collected in the Jordan Valley Banana Research Station, Zemach, Israel. Data are means of the years 2000–2020.

Month	Average temperature (°C)	Maximum temperature (°C)	Minimum temperature (°C)	Average wind speed (m/s)	Average relative humidity (%)	Global daily radiation (MJ/m ²)	Precipitation (mm)	Daily evapotranspiration (mm)
January	12.9	18.4	8.1	2.1	75.1	8.5	100	2.1
February	14.0	20.0	8.3	2.1	73.4	11.9	83	2.7
March	16.7	23.8	10.5	2.2	70.7	18.6	42	4.0
April	20.3	28.1	13.5	2.4	63.3	22.2	17	6.0
May	24.5	32.9	17.2	2.6	58.2	24.0	0	8.1
June	27.8	36.2	20.5	2.9	58.9	27.7	0	9.8
July	30.3	38.1	23.7	3.0	59.6	27.5	0	10.2
August	30.6	38.4	24.1	2.9	61.5	24.7	0	9.5
September	28.4	36.1	21.8	2.5	61.5	21.9	0	7.7
October	24.8	32.2	18.4	2.1	60.8	15.2	14	5.5
November	19.5	26.0	13.8	2.0	62.4	11.4	38	3.7
December	14.7	20.6	9.9	2.0	70.7	7.8	83	2.3