

Table S1. Weather conditions in the years 2016–2018 during vegetation of sweet pepper compared with means from 1951–2010.

	Temperature (°C)				Rainfall (mm)			
	2016	2017	2018	1951–2010	2016	2017	2018	1951–2010
May	15.3	15.1	17.1	13.0	37.9	29.1	56.1	60.7
June	18.6	18.6	18.8	16.3	43.4	28.2	64.9	65.9
July	18.4	19.0	20.5	18.0	129.7	107.9	124.6	82.0
August	18.8	20.0	20.8	18.0	71.5	48.0	71.8	70.7
September	15.2	14.0	15.5	12.6	10.7	77.0	68.1	53.7
	Mean				Total			
May-September	17.1	17.2	18.5	15.4	293.2	290.2	385.5	333.0

Table S2. Instrumental conditions for the mineral element determination in peppers fruits.

Element	Wavelength (nm)	Fuel Flow (L/min)	Lamp Current (mA)	Flame Type	Slit Width (nm)
K	766.5	2.00	-	Air-acetylene	0.2
Na	589.0	2.00	-	Air-acetylene	0.2
Ca	422.7	2.00	10	Air-acetylene	0.5
Mg	248.3	2.00	40	Air-acetylene	1.0
Fe	202.6	2.00	5	Air-acetylene	0.2