Supplementary Materials

Table S1. Ion concentration of irrigation water and irrigation solutions (mmol/L). DAT: Days after transplanting. Expresses time interval with the same concentration.

	Water analysis	Days after transplanting							
		0-34	35-50	51-70	71-98	99-110	114-152	153-180	181-246
NO_3^-	0.0	8.3	13.8	11.0	8.2	11.1	7.7	8.2	8.2
NH_4^+	0.0	0.5	1.0	0.7	0.0	0.4	0.3	0.3	0.3
$H_2PO_4^-$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K^+	0.2	0.2	0.2	0.2	5.2	7.2	5.0	6.0	6.0
Ca^{++}	2.7	5.0	7.5	6.3	2.7	4.5	4.0	4.0	4.0
Mg^{++}	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
$SO_4^=$	0.7	0.0	0.0	0.0	0.0	1.5	1.5	1.8	1.8
$CO_3^=$	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HCO_3^-	3.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Na^+	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Cl^-	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
Fe	0.0	1.4	1.4	1.4	1.4	2.4	2.4	2.4	2.8
Mn	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Zn	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
B	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Cu	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
CE (dS m^{-1})	2.3	2.7	3.3	3.0	2.8	3.4	3.0	3.1	3.1

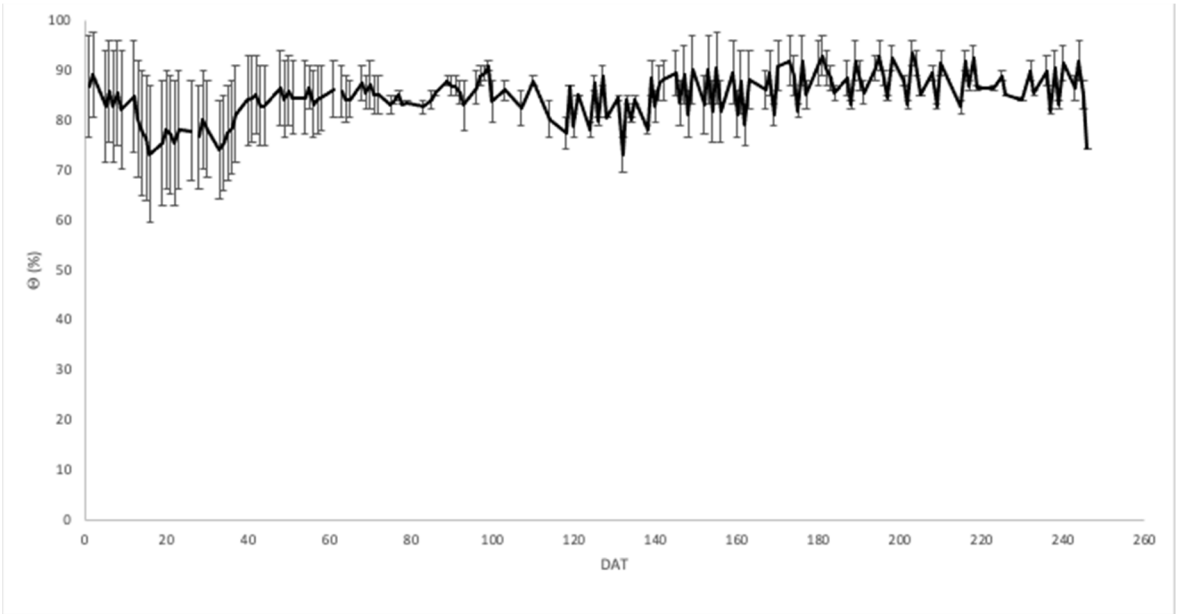

Figure S1. Evolution of the relative saturation (Q) of the soil at 5 cm from the emitter. towards the corridor. and 15 cm deep. DAT: Days after transplanting. Data are expressed as percentage of saturation. Error bars indicate ± 1MSE.

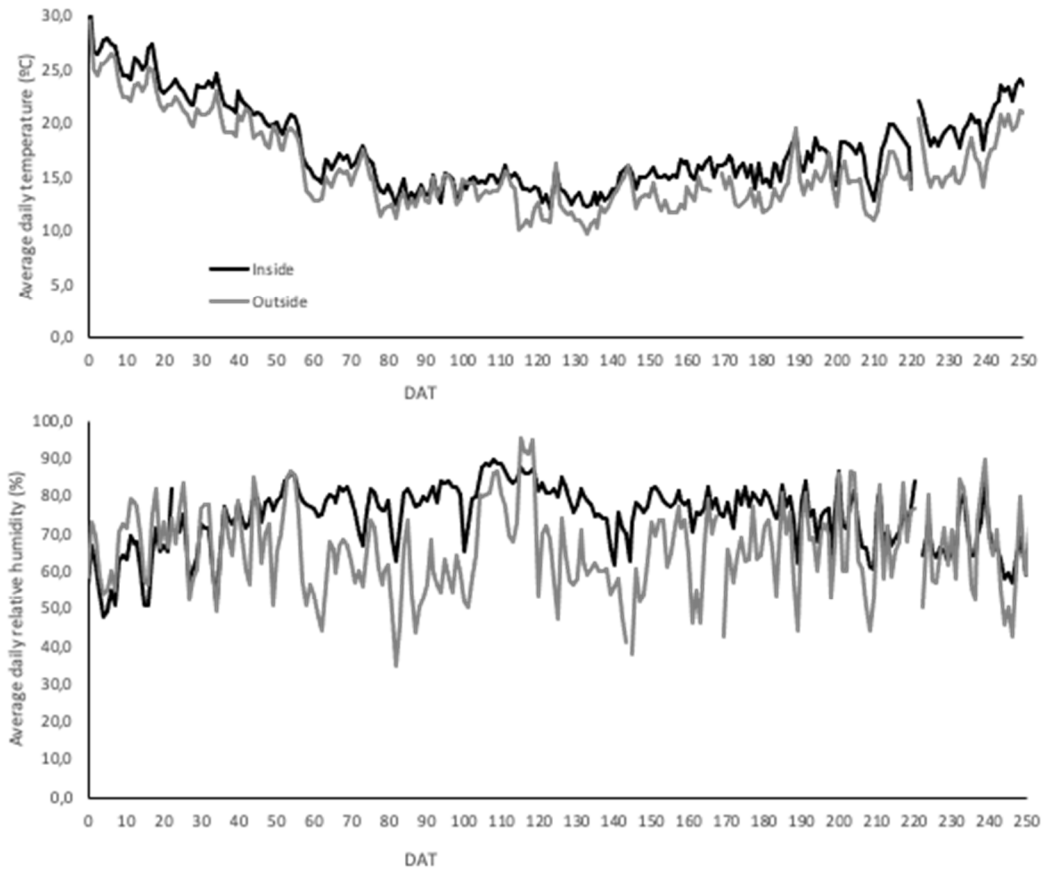

Figure S2. Evolution of mean temperature (ºC. top) and mean relative humidity (%. bottom) both inside and outside the greenhouse. over the time period of the trials. DAT: Days after transplanting.

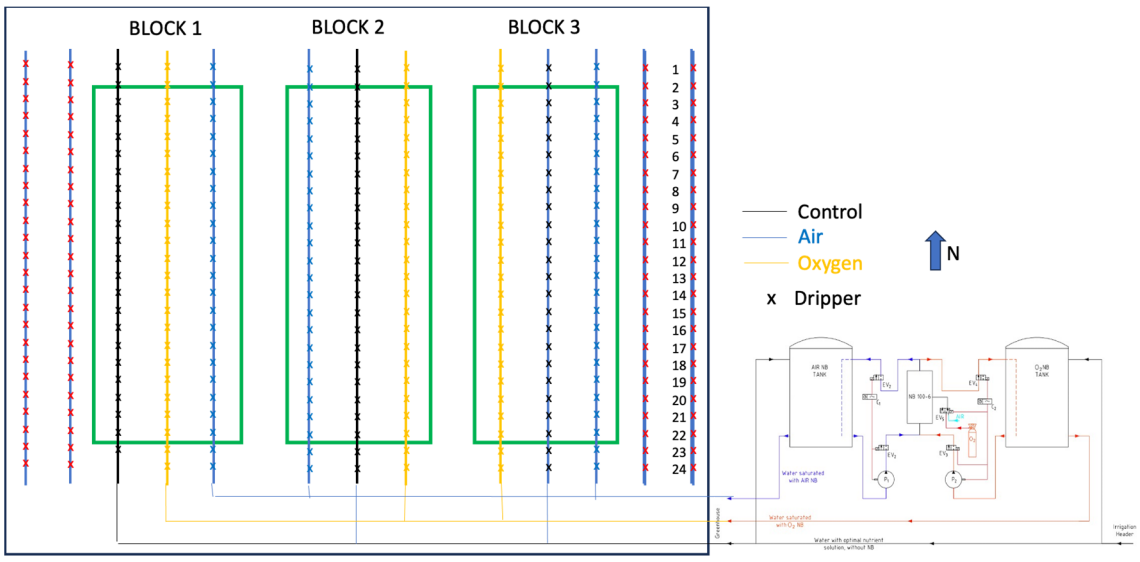

Figure S3. Schematic of randomised complete block experimental design.

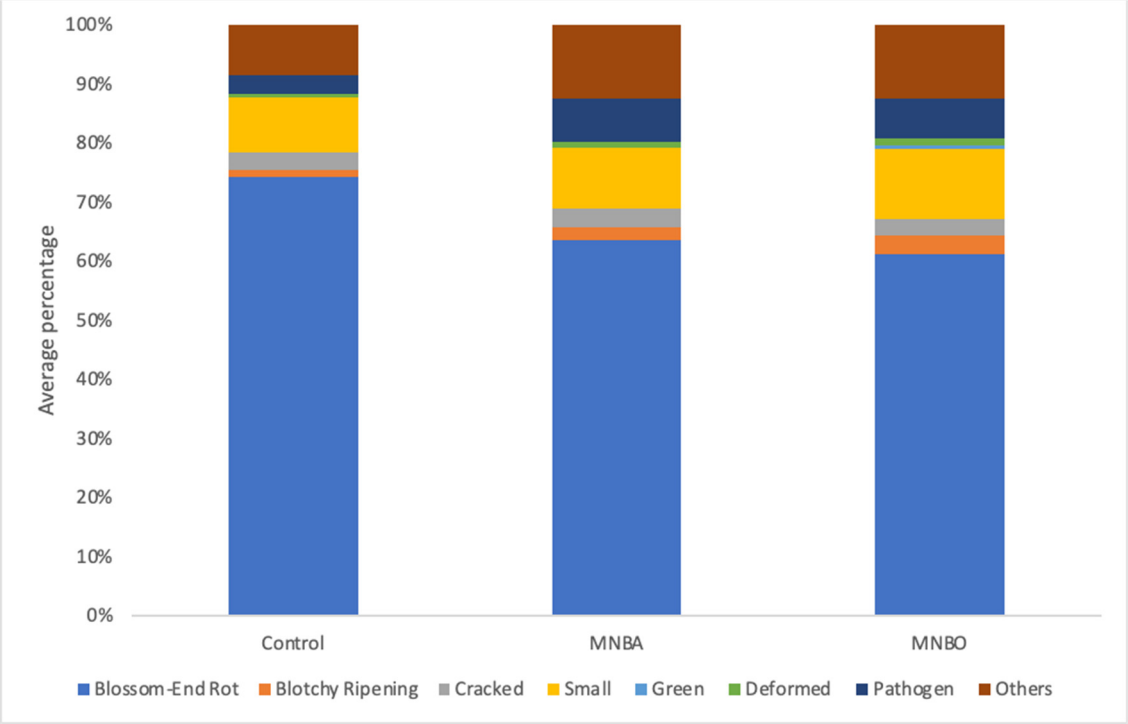

Figure S4. Relative percentage of each of the causes of fruit rejection in the unmarketable production for each treatment.