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**Effect of greenhouse soil bio-disinfection on soil nitrate content and tomato fruit yield and quality**

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## Supplementary Material

Table S1. Fertigation schedules do not follow regular applications since it depends mainly on environmental conditions and the phenological stage of plants. The beginning of the fertigation was in the 12<sup>th</sup> DAP of the 1st season and in the 9<sup>th</sup> DAP of the 2nd season. The proximity of a sampling to a fertigation event can give place to higher NO<sub>3</sub><sup>-</sup> concentration.

2011-2012 cv. Amilda (consecutive to the treatments)						
	12-28 DAP	29-58 DAP	59-89 DAP	90-119 DAP	121-151 DAP	152-166 DAP
Fertilizer (Kg)	15/08/11– 31/08/11	01/09/11– 30/09/11	01/10/11– 31/10/11	01/11/11– 30/11/11	01/12/11– 31/12/11	01/01/12– 15/01/12
Calcium Nitrate	4.99	9.88	59.50	39.07	23.66	7.71
Potassium Nitrate	5.55	21.67	48.06	26.05	15.94	5.78
Potassium Sulphate	3.73	18.73	21.64	7.72	5.58	5.14
Magnesium Sulphate	0.47	2.34	2.71	0.96	0.70	0.64
Phosphoric Acid (72%)	3.69	9.29	14.88	4.34	2.41	-
Nitric Acid (54%)	6.17	5.80	23.50	14.20	14.20	7.43
Water (m <sup>3</sup> )	40.40	74.40	143.7	79.80	56.60	25.10
2012-2013 cv. Kasillas (no consecutive to the treatments)						
	9-25 DAP	26-55 DAP	56-86 DAP	87-116 DAP	117-147 DAP	148-169 DAP
Fertilizer (Kg)	15/08/12– 31/08/12	01/09/12– 30/09/12	01/10/12– 31/10/12	01/11/12– 30/11/12	01/12/12– 31/12/12	01/01/13– 22/01/13
Calcium Nitrate	5.13	18.28	25.13	12.43	6.96	-
Potassium Nitrate	10.91	33.67	25.56	12.43	7.87	-
Potassium Sulphate	8.96	34.80	31.02	14.91	18.25	12.07
Magnesium Sulphate	1.49	5.81	5.18	2.49	3.05	2.01
Phosphoric Acid (72%)	4.67	24.52	15.28	7.46	4.76	1.56
Nitric Acid (54%)	33.20	11.20	-	-	-	0.70
Water (m <sup>3</sup> )	55.5	140.0	107.7	51.8	42.6	17.4