

Text S2. Plant vitality survey.

1. INTENSITY OF LEAF COLOR (high score indicates more intense color and photosynthesis potential; low score indicates discoloration and negative impact on the photosystem; however, intensification of color can represent toxic influence for which the plant tries to compensate).

Treatment: Clover

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

Treatment: Control

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

Treatment: Black Plastic

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

2. PLANT STRENGTH / SUPPLENESS (considers wilting of leaves, stems, and flowers as a proxy for physiological processes) 1 = very weak 5 = strong

Treatment: Clover

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

Treatment: Control

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

Treatment: Black Plastic

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

4. TOTAL VITALITY (considers parameters #1-2 above)

Treatment: Clover

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5

Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

Treatment: Control

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5

Treatment: Black Plastic

Tomato Variety: _____

Plant # 1	0	1	2	3	4	5
Plant # 2	0	1	2	3	4	5
Plant # 3	0	1	2	3	4	5
Plant # 4	0	1	2	3	4	5
Plant # 5	0	1	2	3	4	5