

Table S1. The composition of stock solution used for the preparation of nutrient solution.

| Stock solution A |
|-------------------------|
| potassium nitrate |
| ammonia nitrate |
| calcium nitrate |
| chelated iron |
| Stock solution B |
| calcium nitrate |
| magnesium sulphate |
| monopotassium phosphate |
| potassium sulphate |
| manganese sulphate |
| zinc sulphate |
| copper sulphate |
| borax |
| sodium molybdate |

Table S2. Water composition used for the preparation of nutrient solution

| | | |
|---|------|---------------------|
| E.C. | 0.70 | mS cm ⁻¹ |
| pH | 7.78 | |
| Ca ²⁺ | 2.30 | mmol/l |
| Mg ²⁺ | 1.28 | mmol/l |
| K ⁺ | 0.07 | mmol/l |
| NH ₄ ⁺ | 0.00 | mmol/l |
| Na ⁺ | 1.09 | mmol/l |
| SO ₄ ²⁻ | 1.08 | mmol/l |
| NO ₃ ⁻ | 0.01 | mmol/l |
| H ₂ PO ₄ ⁻ | 0.00 | mmol/l |
| HCO ₃ ⁻ | 4.60 | mmol/l |
| Cl ⁻ | 1.55 | mmol/l |
| Fe | 0.00 | μmol/l |
| Mn ⁺⁺ | 0.00 | μmol/l |
| Zn ⁺⁺ | 1.07 | μmol/l |
| Cu ⁺⁺ | 0.00 | μmol/l |
| B | 5.56 | μmol/l |
| Mo | 0.00 | μmol/l |
| Si | 0.00 | mmol/l |