

**Table S1.** Chemical composition and the final concentration of modified Hoagland and Arnon (1950) nutrient solution to one-tenth of strength and different P levels for mycorrhizal dependency experiment.

Stock solution	Reagent	Chemical composition	Concentration in the nutrient solution ( $\mu\text{M}$ )	Pipetted volume ( $\text{mL.L}^{-1}$ ) of Stock solutions at different levels of P				
				0.0001 $\mu\text{M}$	0.1 $\mu\text{M}$	1 $\mu\text{M}$	10 $\mu\text{M}$	100 $\mu\text{M}$
1	Potassium phosphate	$\text{KH}_2\text{PO}_4$	0–100	0.00001	0.01	0.1	1.0	10.0
2	Potassium chloride	KCl	500–600	6.0	6.0	6.0	5.9	5.0
3	Ammonium sulfate	$(\text{NH}_4)_2\text{SO}_4$	380	3.8	3.8	3.8	3.8	3.8
4	Calcium nitrate	$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$	380	3.8	3.8	3.8	3.8	3.8
5	Magnesium sulfate	$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	200	2.0	2.0	2.0	2.0	2.0
6	EDTA-Iron	$\text{C}_{10}\text{H}_{12}\text{FeN}_2\text{NaO}_8$	6.13	0.3	0.3	0.3	0.3	0.3
	Boric acid	$\text{H}_3\text{BO}_3$	4.63					
	Manganese chloride	$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$	0.915					
	Zinc sulfate	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	0.077					
7	Copper sulfate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	0.032	0.1	0.1	0.1	0.1	0.1
	Cobalte chloride	$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	0.010					
	Sodium molybdate	$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0.050					
8	MES buffer*	$\text{C}_6\text{H}_{13}\text{NO}_4\text{S}$	500	1.0	1.0	1.0	1.0	1.0

\*4-morpholine ethanesulfonic acid. The pH of the solution was adjusted to 6.5