Hoagland Full nutrient solution (1L)					
Concentration	Chemical	wt(g)/L	For 250 mL Stock	mL/L for working stock	Final Concentration
2M	KNO3	202.2	50.55	2.5	5 mM
2M	$Ca(NO3)_2.4H_2O$	472.3	118.075	2.5	5 mM
1M	KH2PO4(PH=6)	136.09	34.0225	1	1 mM
2M	MgSO4.7H2O	492.94	123.3235	1	2 mM
0.05M	Fe-EDTA*	2.8	0.7	1	50 uM
	Micro Nutrients			1	
			Total	9	
***0.05M Fe-EDTA (200ml):** 3.72g DETA in 70 mL ddiH2O mixed with 2.78 g FeSO4.7H2O in 70 mL ddiH2O and then volume up to 200 mL					

Hoagland -Nitrogen nutrient solution (1L)					
Concentration	Chemical	wt(g)/L	For 250 mL Stock	mL/L for working stock	Final Concentration
0.5M	KSO4	87	21.75	10	5 mM
2M	$CaCl2.2H_2O$	294.02	73.505	2.5	5 mM
1M	KH2PO4(PH=6)	136.09	34.0225	1	1 mM
2M	MgSO4.7H2O	492.94	123.3235	1	2 mM
0.05M	Fe-EDTA*	2.8	0.7	1	0.1 mM
	Micro Nutrients			1	
			Total	16.5	

Hoagland -Phosphorus nutrient solution (1L)					
Concentration	Chemical	wt(g)/L	For 250 mL Stock	mL/L for working stock	Final Concentration
2M	KNO3	202.2	50.55	2.5	5 mM
2M	$Ca(NO3)_2.4H_2O$	472.3	118.075	2.5	5 mM
1M	KSO4	87	21.75	10	10 mM
2M	MgSO4.7H2O	492.94	123.3235	1	2 mM
0.05M	Fe-EDTA*	2.8	0.7	1	0.1 mM
	Micro Nutrients			1	
			Total	18	

Micro Nutrients (1L)		
Final Concentration	Chemical	wt(g)/L
0.046M	h3bo3 (Boric Acid)	2.86
0.009M	MnCl2.4H2O (Manganese Chloride)	1.81
7.5X10-4M	ZnSO4.7H2O (Zinc Sulphate)	0.22
3.2X10-4M	CuSO4 (Copper Sulphate)	0.08
1.11X10-4M	H2MoO4.4H2O (Molybdic Acid 85%)	0.02

Concentration	Chemical	wt(g)/L	For 250 mL Stock
2M	KNO3	202.2	50.55
2M	$Ca(NO3)_2.4H_2O$	472.3	118.075
1M	KH2PO4(PH=6)	136.09	34.0225
2M	MgSO4.7H2O	492.94	123.3235
0.05M	Fe-EDTA*	2.8	0.7
0.5M	KNO3	202.2	50.55
2M	$CaCl2.2H_2O$	294.02	73.505