

Target Range (low)	Results (ppm)	Target Range (low)	Target Range (high)	Low	Target	High
pH	7.00					
Microbial Respiration	189	100.00	200.00			
PLANT AVAILABLE NUTRIENTS						
Nitrate Nitrogen	188.85	158.60	171.60			
Ammonium Nitrogen	7.20	2	5			
Total Nitrogen	165.97	108	132			
Inorganic Phosphorus	68.95	46	60			
Potassium	625.49	350	420			
Calcium	127.21	352	430			
Magnesium	120.49	120	147			
Sodium	169.30	102.73	147.79			
Sulfur	109.15	86	105			
Zinc	5.85	4.99	6.09			
Manganese	8.07	2.21	2.00			
Iron	15.66	12.73	15.55			
Copper	1.10	0.24	0.30			
Boron	0.55	0.86	1.06			
Molybdenum	0.070	0.04	0.06			
Silicon	4.34	13.39	16.37			
Chloride	172.64	47.10	57.56			
ORGANIC FRACTIONS						
Lignin	1%					
Total Organic Carbon	585.60	200.0	400.0			
Root Exudate Nitrate Nitrogen	537.61	218.63	267.21			
Root Exudate Ammonium	17.15	28.49	34.83			
Total Organic Phosphorus	136.55	48.09	58.77			
Humic Acid (Oxidized)	1.13	1.00	2.50			
Fulvic Acid (Reduced)	1.00	2.50	3.50			

	Base Saturation	Target
K	40.3%	6-15
Mg	25.2%	20-25
Ca	16.0%	60-75
Na	18.5%	2-3
Mn ²⁺	36.1%	5-6
Fe	46.0%	45-55
Fe ³⁺	56.1%	55-60
Cu ²⁺	2.8%	1-2
Zn ²⁺	14.7%	3-4
Mo	0.36%	0.1-0.3