

# MFV Soil Test Results

Ensor	Pit 1			Pit 2			Pit 3			Pit 4	
	Sample 1 0-25cm	Sample 2 25-73cm	Sample 3 73-100cm	Sample 4 0-25cm	Sample 5 25-50cm	Sample 6 50-105cm	Sample 7 0-20cm	Sample 8 20-50cm	Sample 9 50-100cm	Sample 10 0-30cm	Sample 11 30-55cm
pH	5.6	5.9	5.5	6.2	5.6	5.7	6.5	5.6	5.4	6.8	5.8
Olsen P	13	14	16	16	31	20	14	21	27	16	16
Potassium	0.39	0.17	0.29	0.43	0.24	0.13	0.33	0.18	0.13	0.35	0.25
Calcium	5.1	2.8	3.5	7.1	3	0.8	11.6	4	1	12.9	6.7
Magnesium	1.45	0.97	1.61	2.03	1.1	0.39	1.48	1	0.47	2.19	2.35
Sodium	0.11	0.12	0.14	0.21	0.26	0.16	0.22	0.32	0.17	0.22	0.22
CEC	13	8	14	15	13	6	17	13	8	18	14
Base Saturation	55	49	41	65	36	25	82	44	22	89	68
volume weight	1.10	1.31	1.07	1.03	1.02	1.38	1.02	1.04	1.25	1.07	1.12
Soluble Salts (field)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Organic matter	4.2	1	1.9	4.2	2.9	1.4	5.1	3.3	2.4	4.7	2.1
Total Soluble Salts	224	99	92	145	125	99	198	205	132	257	284
Nitrate-N (sat paste)	12	2	2	9	3	2	6	4	< 1	5	4
Ammonium-N (sat paste)	3	3	3	3	3	2	3	3	3	4	4
Phosphorus (sat paste)	1	< 1	< 1	1	1	< 1	1	1	< 1	1	1
Potassium (sat paste)	8	2	< 1	< 1	< 1	2	6	< 1	2	3	3
Calcium (sat paste)	37	8	8	19	9	3	36	19	8	45	36
Magnesium (sat paste)	11	4	3	8	5	1	7	5	2	9	11
Sodium (sat paste)	8	9	8	13	19	18	13	29	23	17	23

Row 97 North End			Row 101 North End			Row 105 South End			Row 108 South	
1	2	3	1	2	3	1	2	3	1	2
Silt loam	fine sandy loam Most Roots 40-50% stone	fine-coarse sands large stones	silt laom	heavier clay base mass roots	Fine gravel coarse sands	Top soil Silty	Silt Clay Most roots	Gravel Matrix	Silt loam	mixed clay Most Roots
			main rooting zone			Opposite soil probe				

Sample 12  
55-95cm

5.8  
18  
0.18  
3.9  
2.08  
0.2  
11  
61  
1.21  
< 0.05  
1.5  
191  
3  
3  
< 1  
1  
20  
9  
23

End

3

Gravel

more roots  
deeper