

MFV Soil Test Results

Tohu	Pit 1				Pit 2		Pit 3		Pit 4	
	Sample 1 0-30cm	Sample 2 30-55cm	Sample 3 55-75cm	75-100cm	Sample 4 0-30cm	Sample 5 30-98cm	Sample 6 0-33cm	Sample 7 33-95cm	Sample 8 0-20cm	Sample 9 20-45cm
pH	6.3	6.6	6.2		6.3	5.8	6.1	5.9	6.7	5.7
Olsen P	13	6	10		14	14	7	12	8	9
K	0.33	0.12	0.18		0.37	0.27	0.33	0.12	0.55	0.18
Ca	10.6	8	7.8		10.6	4.9	8.9	1.7	12.7	4.6
Mg	1.06	3.37	3.17		1.06	0.99	0.93	0.41	1.12	0.93
Na	0.16	0.13	0.16		0.16	0.11	0.14	< 0.05	0.18	0.12
CEC	16	14	15		16	12	15	5	17	12
Base Saturation	77	82	76		75	53	67	44	85	50
volume weight	0.98	1.18	1.10		0.98	1.11	1.00	1.57	0.95	1.10
Soluble Salts (field)	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Organic matter	8	0.9	2.2		5	2.5	5.2	1.8	6.3	2.7
Total Soluble Salts	172	99	178		409	125	165	86	257	198
Nitrate-N (sat paste)	14	3	8		60	7	15	7	20	19
Ammonium-N (sat paste)	4	3	3		3	4	3	3	4	3
Phosphorus (sat paste)	3	< 1	< 1		1	2	2	< 1	2	1
Potassium (sat paste)	7	< 1	< 1		3	7	< 1	< 1	8	1
Calcium (sat paste)	35	12	23		79	15	34	12	55	31
Magnesium (sat paste)	6	6	9		10	6	6	3	7	6
Sodium (sat paste)	11	8	12		13	4	7	4	13	8

Row 65 South End				Row 54 South End		Row 54 North End		Row 65 North End	
1	2	3	4	1	2	1	2	1	2
Rootstock 5C				Rootstock 101-14				Rootstock 5C	
top soil silt loam	wet silt clay	red grey drier silt clay	gravel in silt clay	silt loam with large roots at base	Silt dominated smaller % clay with gravel throughout	silt loam majority of roots increasing clay @ base on contact with gravels	Massive poorly sorted gravel with sandy matrix some roots	silt loam top soil < 5% gravel	Heavier clay base 20% gravel majority of roots sticky and moist
extensive root dev. esp under dripper	faint signs of mottling	highly mottled							