

MFV Soil Test Results

Gifford

	Pit 1			Pit 2		Pit 3		Pit 4	
	Sample 1	Sample 2	113-123	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	
Analysis	0-55cm	55-113cm		0-25cm	25-90cm	0-40cm	40-90cm	0-50cm	50-92cm
pH	5.9	6.8		5.6	5.6	6.3	6.3	6.1	
Olsen P	14	3		61	15	15	4	7	
K	0.34	0.13		0.64	0.36	0.37	0.23	0.25	
Ca	4.6	4.7		4.6	1.7	5.2	2.1	4.8	
Mg	1.42	1.48		0.97	0.67	1.08	0.66	1.28	
Na	0.1	0.11		0.05	< 0.05	0.11	0.07	0.09	
CEC	10	8		12	5	9	4	9	
Base Saturation	66	8.4		53	59	75	76	69	
volume weight	1.18	1.24		1.09	1.56	1.11	1.54	1.21	
Soluble Salts (field)									
Organic matter									
Total Soluble Salts	99	152		178	158	125	66	119	
Nitrate-N (sat paste)	5	4		10	4	8	4	9	
Ammonium-N (sat paste)	4	2		3	6	4	3	3	
Phosphorus (sat paste)	1	< 1		3	< 1	2	< 1	< 1	
Potassium (sat paste)	11	5		20	16	16	9	7	
Calcium (sat paste)	16	21		25	14	19	8	19	
Magnesium (sat paste)	7	7		8	5	8	4	6	
Sodium (sat paste)	8	11		6	9	13	5	6	
Lime Requirement	0.4	< 0.1		1.8	0.7	< 1	< 1	< 1	

Row 65 South End			Row 65 North End		Row 63 North End		Row 63 South End	
1	2	3	1	2	1	2	1	2
top soil	silt	gravel	top soil	coarse sand/gravels	fine sandy loam	sand/gravels	top soil	gravel
0-75 compaction zone							less compact under dripper	
less compact under dripper			competition from sward					
Active root zone			Dense vine root volume				Active root zone	
Drippers at 300mm								
High vigour site			low vigour site		Medium vigour site		High vigour site	
Opposite probe site								