

Soil Test - May 2018 (EAL - NATA approved laboratory) 0 - 10cm		Control	SoilKee	Aeration	optimal range Loam
Phosphorus Olsen (mg/kg)		23	38	16	15-20
Nitrate Nitrogen (mg/kg N)		0.4	2.7	0.4	10
Ammonium Nitrogen (mg/kg N)		13	40	10	15
Sulfur (mg/kg S)		62	132	41	8.0
pH CaCl		3.98	4.52	4.07	
pH water		4.37	4.88	4.65	6.3
Electrical Conductivity (dS/m)		0.513	0.938	0.280	0.120
Estimated Organic Matter (% OM)		23.3	37.1	20.0	> 3.5
Exchangeable Calcium (kg/ha)		2399	5788	1953	2240
Exchangeable Magnesium (kg/ha)		536	877	627	325
Exchangeable Potassium (kg/ha)		218	514	270	336
Exchangeable Sodium (kg/ha)		857	1601	774	113
Exchangeable Aluminium (kg/ha)		292	49	552	73
Exchangeable Hydrogen (kg/ha)		19	15	18	8
Cation Exchange Capacity (CEC) (cmol./kg)		11.54	20.74	12.00	7.8
Calcium (%)		46.3	62.2	36.3	65.6
Magnesium (%)		17.1	15.5	19.2	15.7
Potassium (%)		2.2	2.8	2.6	5.2
Sodium - ESP (%)		14.4	15.0	12.5	2.9
Aluminium (%)		12.5	1.2	22.8	10.5
Hydrogen		7.5	3.3	6.6	
Calcium/Magnesium Ratio		2.7	4.0	1.9	4.2
Zinc (mg/kg)		1.7	2.8	1.2	4.0
Manganese (mg/kg)		0.4	1.1	0.4	18
Iron (mg/kg)		439	541	429	18
Copper (mg/kg)		0.5	0.5	0.3	1.6
Boron (mg/kg)		0.96	0.98	0.92	1.4
Silicon (mg/kg Si)		50	79	36	40
Total Carbon (%)		13.30	21.20	11.40	> 2.0
Total Nitrogen (%)		0.91	1.45	0.79	> 0.20
Carbon/Nitrogen Ratio		14.6	14.6	14.4	10-12
Chloride Estimate (equiv. ppm)		328	600	179	..
Bulk Density (t/m <sup>3</sup> )		0.83	0.70	1.06	