

Australian Perry Agricultural Laboratory



Customer:
ALDINGA ARTS ECO VILLAGE

Advisor:
APAL

Sample Name:
FARM - COMP. 2008

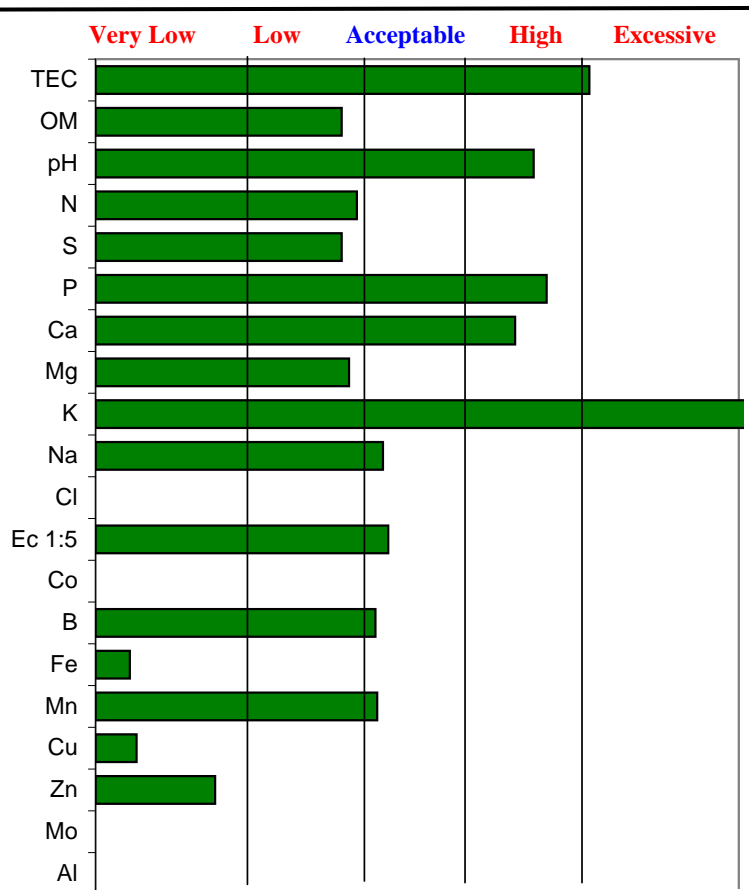
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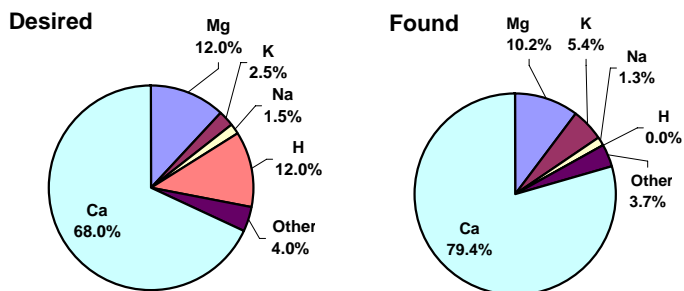
Lab No.: B0018

Date: 19-Mar-08

	Unit	Desired Level	Level Found
Total Exchange Capacity (TEC)		12-25	33.38
Colloidal Organic Matter %		4.0 - 6.0	3.60
PH (Water)		6.0 - 6.5	7.70
Anions			
Nitrogen (N)	kg/ha	90 - 120	86
NO 3	ppm		*
NH 3	ppm		*
Sulphate (S)	ppm	20 - 30	18
Olsen (P)	ppm	22-32	8
Phosphorus (Bray 2)	kg/ha	147	185
<i>Deficit</i>	kg/ha	Units P	0
Phosphate Recovery	%	100	60
Cations			
Calcium (Ca)	Desired	ppm	kg/ha
	Found	4537	10196
		5297	11903
			0
<i>Deficit</i>			
Magnesium (Mg)	Desired	480	1080
	Found	409	920
			160
<i>Deficit</i>			
Potassium (K)	Desired	325	731
	Found	700	1572
			0
<i>Deficit</i>			
Sodium(Na)	Found	100	224
Chlorides (Cl)	ppm	<250	*
Salinity EC 1:5	dS/m	<0.15	0.14
Trace Elements			
Cobalt (Co)	ppm	>1.5	*
Boron (B)	ppm	>0.8	1.60
Iron (Fe)	ppm	100 - 400	10.00
Manganese (Mn)	ppm	80 - 140	72.00
Copper (Cu)	ppm	>2.0	0.30
Zinc (Zn)	ppm	>8.0	3.50
Molybdenum (Mo)	ppm	0.8 - 2.0	*
Aluminium (Al)	ppm	<2.0	*
Base Saturation %			
Ca:Mg RATIO		5.67	7.78
Calcium	% Ca	68.0	79.4
Magnesium	% Mg	12.0	10.2
Potassium	% K	2.5	5.4
Sodium	% Na	1.5	1.3
Other Bases	%	4.0	3.7
Exchangeable Hydrogen	% H	12.0	0.0



Base Saturation Percentages



Additional Comments: Cobalt Limit of Detection 0.2 ppm

The following show the kg/ha of deficient elements required to bring the soil to the ideal level:

PHOSPHOR	nd	BORON	nd	COBALT	n req
MAGNESIUM	160	IRON	140	MO	n req
POTASSIUM	nd	MANGANESE	nd		
CALCIUM	nd	COPPER	3.4		
SULPHUR	12	ZINC	9.0		

* This test is available but not requested by client.

nd = not deficient

n req = not requested