Australian Perry Agricultural Laboratory

Customer: A. FARMER

Advisor: APAL - Phil Barnett

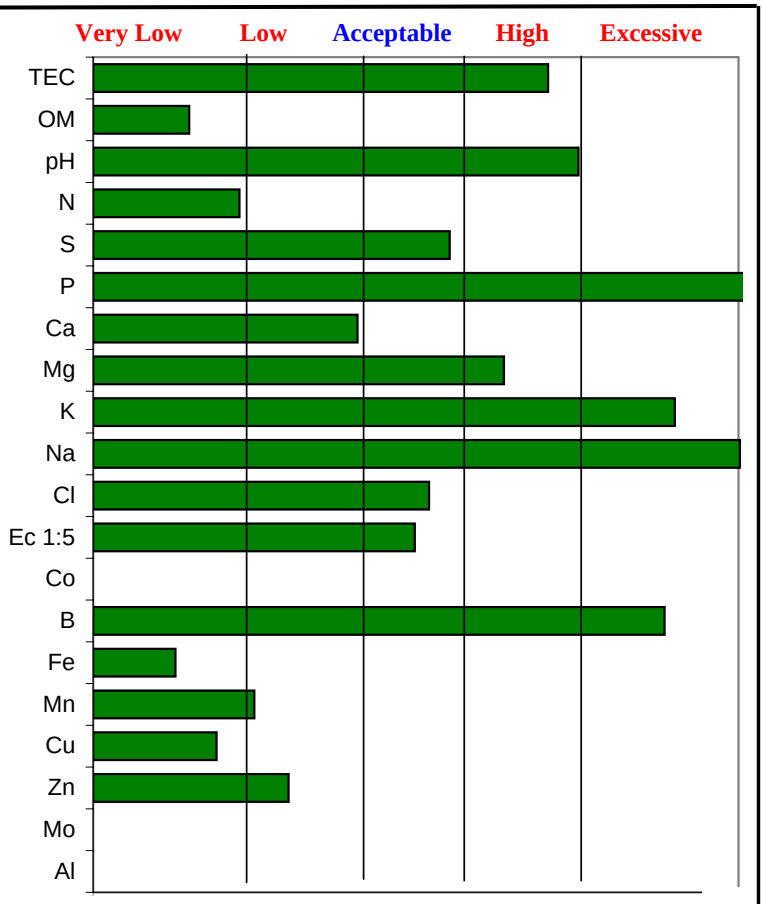
Sample Name: SOUTH BLOCK

Crop: CELERY

Control 15187

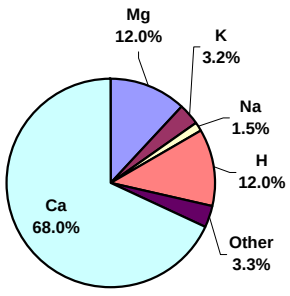
Lab No.: E0056 ***Date:*** 16-Jun-08

		Unit	Desired Level	Level Found
	Total Exchange Capacity (TEC)		12-25	**30.65**
	Colloidal Organic Matter %		4.0 - 6.0	**1.40**
	pH (Water)		6.0 - 6.5	**8.50**
Anions	**Nitrogen (N)**	kg/ha	90 - 120	**48**
	NO 3	ppm		*
	NH 3	ppm		*
	Sulphate (S)	ppm	20 - 30	**54**
	Olsen (P)	ppm	55-65	**58**
	Phosphorus (Bray 2)	kg/ha	324	685
	Deficit	*kg/ha*	*Units P*	**0**
	Phosphate Recovery	%	100	**100**
Cations			ppm	kg/ha
	Calcium (Ca)	Desired	4166	**9361**
		Found	3898	**8759**
		Deficit		**602**
	Magnesium (Mg)	Desired	441	991
		Found	570	1280
		Deficit		**0**
	Potassium (K)	Desired	382	**858**
		Found	689	**1549**
		Deficit		**0**
	Sodium(Na)	*Found*	859	**1931**
	Chlorides (Cl)	ppm	<250	**200.0**
	Salinity EC 1:5	dS/m	<0.15	**0.27**
Trace Elements	**Cobalt (Co)**	ppm	>1.5	*
	Boron (B)	ppm	>1.5	**3.08**
	Iron (Fe)	ppm	100 - 400	**30.00**
	Manganese (Mn)	ppm	80 - 140	**47.00**
	Copper (Cu)	ppm	>2.0	**0.90**
	Zinc (Zn)	ppm	>8.0	**5.70**
	Molybdenum (Mo)	ppm	0.8 - 1.2	*
	Aluminium (Al)	ppm	<2.0	*
Base Saturation %	**Ca:Mg RATIO**		**5.67**	**4.10**
	Calcium	% Ca	**68.0**	**63.60**
	Magnesium	% Mg	**12.0**	**15.50**
	Potassium	% K	**3.2**	**5.80**
	Sodium	% Na	**1.5**	**12.20**
	Other Bases	%	**3.3**	**2.90**
	Exchangeable Hydrogen	% H	**12.0**	**0.00**

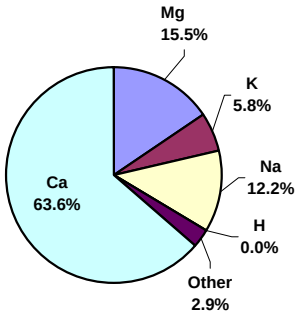


Base Saturation Percentages

Desired



Found



Additional Comments:

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

PHOSPHORUS	nd	BORON	nd	COBALT	n req
MAGNESIUM	nd	IRON	60	MO	n req
POTASSIUM	nd	MANGANESE	26		
CALCIUM	602	COPPER	2.2		
SULPHUR	nd	ZINC	4.6		

*** This test is available but not requested by client.** **nd = not deficient** **n req = not requested**

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