

Premium Soil Analysis



Customer:
JOHN SMITH

Sample Name:
OLIVES

Agent:
APAL

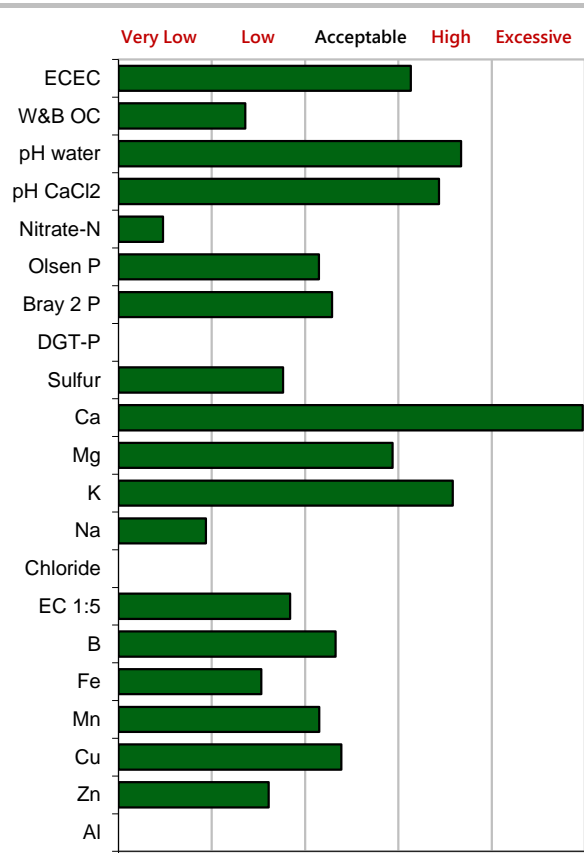
Crop:
Olive

Control 13716

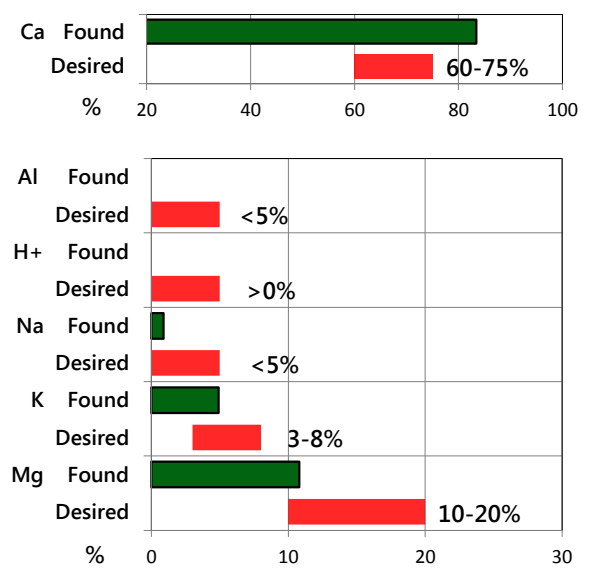
Lab No.: Z185

Date: 4-Jun-15

	Unit	Desired Level	Level Found
ECEC	c.mol/kg	12 - 25	29.49
Organic Carbon (W&B)	%	>2.0	1.28
Total Nitrogen (Dumas)	%		NR
pH 1:5 (Water)		6.0 - 7.0	8.59
pH 1:5 (CaCl2)		5.5 - 6.5	7.62
Exchangeable N-P-S			
Nitrate - N	ppm	20 - 50	4.5
Ammonium - N	ppm	-	2.1
Olsen Phosphorus	ppm	15 - 40	16
Bray 2 Phosphorus	ppm	70 - 100	77
PBI _{unadjusted}		<100	68
MCP Sulfur (S)	ppm	10 - 20	8.3
Exchangeable cations			
Calcium (Ca)	ppm	> 1550	4930
Magnesium (Mg)	ppm	> 250	387
Potassium (K)	ppm	> 250	560
Sodium (Na)	ppm	< 160	62
Exch. Aluminium (Al)	c.mol/kg	< 0.5	NT
Exch. Hydrogen	c.mol/kg	-	NT
Salt			
Chlorides (Cl)	ppm	<300	NR
Salinity EC 1:5	dS/m	< 2.0	0.13
Trace Elements			
Boron (B)	ppm	1.0 - 2.0	1.50
DTPA Iron (Fe)	ppm	10 - 70	7
DTPA Manganese (Mn)	ppm	10 - 20	10
DTPA Copper (Cu)	ppm	0.5 - 5.0	2.14
DTPA Zinc (Zn)	ppm	4.0 - 5.0	3.03
Ratios			
Ca:Mg RATIO		2 - 8	7.73
K:Mg Ratio		< 0.5	0.45
Exchangeable cation			
Calcium	% Ca	60 - 75	83.4
Magnesium	% Mg	10 - 20	10.8
Potassium	% K	3 - 8	4.9
Sodium	% Na	<5	0.9
Exch. Aluminium	% Al	<5	NT
Exch. Hydrogen	% H	>0	NT



Exchangeable Cation % (eCEC)



Analysis by APAL, PO Box 327, 489 The Parade, Magill SA 5072
Tel.: 08 8332 0199 Fax: 08 83612715 Email: info@apal.com.au Website: www.apal.com.au



NR Test not requested DGT-P desired ranges & critical levels exist for limited crop types.
NT Not tested. Exchangeable hydrogen/aluminium test valid for acid soils only.

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		Unit	Desired Level	Level Found
Phosphorus	Colwell Phosphorus	ppm	-	NR
	DGT Phosphorus	µg/L	-	NR
	Total Phosphorus	ppm	-	NR
Traces	Cobalt	ppm	-	NR
	Molybdenum	ppm	-	NR

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NR Test not requested