

TAU Premium Soil Audit

Customer:

Agent:
Consultant

Sample Name:

Crop:

Control

Lab No.: 0

Date:

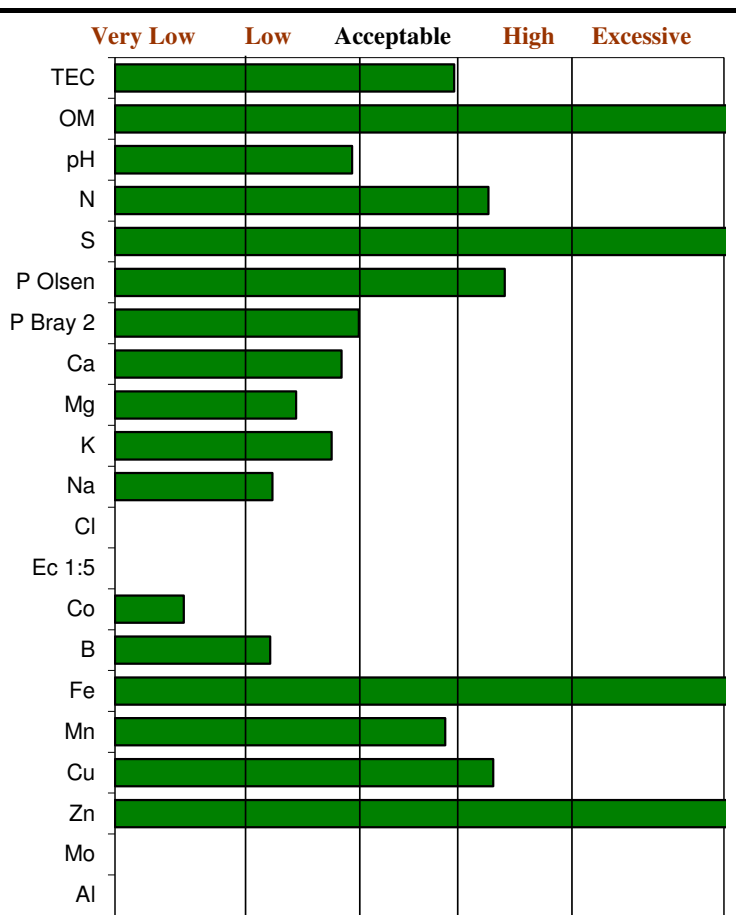
	Unit	Desired Level	Level Found
Total Exchange Capacity (TEC)		12-25	23.47
Colloidal Organic Matter	%	4.0 - 6.0	17.67
pH _(Water)		6.0 - 6.5	5.50
pH CaCl			0.00

Anions	Nitrogen (N)	kg/ha	90 - 120	128
	NO3	ppm		0.0
	NH3	ppm		0
	MCP Sulfur (S)	ppm	30 - 40	89
	Phosphorus (Olsen)	ppm	28-38	59
	Total Phosphorus	ppm		1690
	Phosphorus (Bray 2)	kg/ha	179	165
		Deficit kg/ha		15
	P Buffering Index (PBI)		<100	77

Cations	Calcium (Ca)	Desired	ppm	kg/ha
		Found	2814	6325
		Deficit	2385	5360
				kg/ha
				965
	Magnesium (Mg)	Desired	338	759
		Found	217	487
		Deficit		kg/ha
				272
	Potassium (K)	Desired	439	987
	Found	330	741	
	Deficit		kg/ha	
			245	
Sodium(Na)	Found	1	1	

Chlorides (Cl)	ppm	<200	Nreq
Salinity EC 1:5	dS/m	<0.15	0.00

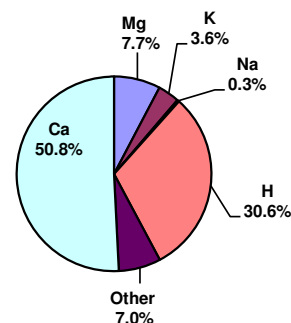
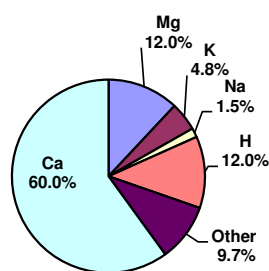
Trace Elements	Cobalt (Co)	ppm	>1.5	0.40
	Boron (B)	ppm	>1.5	0.90
	DTPA Iron (Fe)	ppm	10 - 70	689.00
	DTPA Manganese (Mn)	ppm	4 - 50	40.00
	DTPA Copper (Cu)	ppm	0.5 - 5.0	5.40
	DTPA Zinc (Zn)	ppm	1.0 - 5.0	38.00
	Molybdenum (Mo)	ppm	0.8 - 2.0	*
	Aluminium (Al)	ppm	<2.0	*



Base Saturation Percentages

Desired

Found



Base Saturation %		5.00	6.60
Ca:Mg RATIO			
Calcium	% Ca	60.0	50.80
Magnesium	% Mg	12.0	7.70
Potassium	% K	4.8	3.60
Sodium	% Na	1.5	0.30
Other Bases	%	9.7	7.00
Exchangeable Hydrogen	% H	12.0	30.60

Total deficiency kg/ha of each element:

Please discuss optimum application rates with your advisor.

PHOSPHORUS	15	BORON	1.2	COBALT	1.1
MAGNESIUM	272	IRON	nd	MOLYBDENUM	n req
POTASSIUM	245	MANGANESE	nd		
CALCIUM	965	COPPER	nd		
SULPHUR	nd	ZINC	nd		

* This test is available but not requested by client.

nd = not deficient

n req = not requested

CONSULTANT: Sample
 PHONE:
 DATE: 26-Oct-18

FERTILISER RECOMMENDATION

SAMPLE: Report sample only	CLIENT: 0	Lab No	0
BASE FERTILISER . . .	APPLY/HA	KG/TONNE (1/t.mix)	(% of ele) (in base)
BORAX (10%)	15	45	0.45% B
MANGANESE SULPHATE (28%)	25	76	2.12% Mn
SULPHATE OF POTASH	250	758	
ELEMENTAL SULPHUR	40	121	
MAGNESIUM OXIDE	200	606	
Total kg per Hectare	330	1000	

One tonne will treat approx. 3.03 Hectares
 Total tonne/s required = total hectares divided by 3.03

To fit your budget the total tonnes ordered can be altered and applied at a reduced rate without affecting the balance of elements.

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There are wide variations in the quality of calcium sources (Lime, Dolomite & Gypsum) which will affect their reaction in your soil.

COMMENTS:

A high exchange capacity soil - see the TEC @ 24.99, indicating a high level of exchange sites or a high organic matter percentage. Phosphorus is in excess but a small amount of P can still be beneficial. Sulphur, magnesium, potassium, and boron are low, manganese is marginal, calcium is slightly high for this crop

PROGRAM

Fertiliser: Apply this autumn. As blueberries have a surface root system ensure that application is done evenly over the total land area

Nitrogen: Apply in the early spring 150kg/ha of sulphate of ammonia

Foliar spray with 200gm/ha or boron at the first signs of flowering this will promote strong pollination and increase fruit quality
 Discuss with Colin what products are available, Solubor Boron can used @ 1 kg/ha

Foliar spray once plants are in full leaf every 14 to 28 days with the following/ha

- Magnesium sulphate @ 3kg
- Potassium Nitrate @ 6kg
- Solubor Boron @ 1kg
- Manganese Chelate @ recommended rates
- Molasses @ 3kg

Your consultant Colin may have alternative products that he will recommend - please discuss with him
 Start when the leaves are fully developed.

These applications can be fine tuned by taking regular leaf samples, please send to eurofins as required