

Hi Jock

Please find the results of the recent soil tests that we collected, a summary is as follows:

Sandalwood

- The surface pH sample is surprisingly quite good at 4.9 CaCl₂ (Calcium Chloride), as a result the available aluminium is moderately low at 3.3%.
- Unfortunately at depth, the pH decreases to 4.5 in calcium chloride and hence the available aluminium percentage increases to 13.4%.
- As discussed, the brassica family (grazing canola or grazing brassicas) do not like a lot of available aluminium. I have compared the results to other paddocks that we have pushed the boundaries in and the aluminium percentages are not as high.

Bottom Sandalwood

- Surprisingly the results are much better in this section than in the top section. The 0-10cm sample is quite good at 5.4 CaCl₂ and hence only 1.5% available aluminium.
- The pH does decrease slightly to 4.9 CaCl₂ at depth and aluminium does increase to 6%. These are more like to levels that we are growing grazing canola in and getting away with it.

Creek

- These results are slightly encouraging, the 0-10cm sample is quite acidic (4.6CaCl₂) but the aluminium percentage is only 1.9%.
- The pH at 10-30cm rises slightly to 4.8 and again aluminium is low at 1.3%
- From 30-60cm the pH rises nicely to 5.3 and hence aluminium decreases to 0.3%
- I have seen results like this before where we have limed the top 10-15cm and then because the aluminium is not high below that then the paddock has gone ok.
- We are a way of planting a lucerne based pasture but I suggest this is your best bet at this stage.



Nutritionally the results vary quite a lot, when we catch up next we can go over that and discuss the results and lime versus dolomite etc.

Cheers Phil.

Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	SANDLEWOOD 0-10cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941A / SCL3643		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	6.1	5.5 - 8.1	Normal
pH [1:5 CaCl ₂]	4.9	4.9 - 7.5	Normal
Organic Matter (%)	2.3	3.0 - 8.0	Slightly Low
CEC (meq/100g)	2.90	12.00 - 40.00	Very Low
EC [1:5 H ₂ O] (dS/m)	0.04	0.90 - 3.00	Very Low
NO ₃ -N (ppm)	4.0	15.0 - 70.0	Low
NH ₄ -N (ppm)	< 1.0		
Phosphorus [Colwell] (ppm)	34	43 - 150	Slightly Low
Potassium[Am. Acet.] (meq/100g)	0.45	0.50 - 1.20	Slightly Low
Calcium[Am. Acet.] (meq/100g)	1.80	5.00 - 15.00	Low
Magnesium[Am. Acet.] (meq/100g)	0.51	0.80 - 4.50	Slightly Low
Sulphur [MCP] (ppm)	5	8 - 20	Slightly Low
Boron[CaCl ₂] (ppm)	0.2	1.0 - 5.0	Low
Copper [DTPA] (ppm)	0.4	2.5 - 20.0	Low
Iron [DTPA] (ppm)	100	5 - 120	Normal
Manganese [DTPA] (ppm)	8.2	5.0 - 60.0	Normal
Zinc [DTPA] (ppm)	0.8	5.0 - 15.0	Very Low
Sodium[Am. Acet.] (meq/100g)	< 0.1	0.3 - 3.0	Very Low
Aluminium[KCl] (meq/100g)	0.10	1.00 - 2.50	Low
Chloride (ppm)	16	200 - 1100	Very Low
Ca base saturation (%)	62.0		Normal

Analysis Results (SOIL)

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Sample No	B122941A / SCL3643		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
K base saturation (%)	15.6		High
Mg base saturation (%)	17.5		High
Na base saturation (%)	1.5		Normal
Al base saturation (%)	3.30		
Ca:Mg Ratio	3.6	2.5 - 3.0	High
Texture	SANDY LOAM		
Colour	BROWN		
Aluminium (ppm)	9.0		
Sodium (ppm)	< 18.4		
Calcium (ppm)	359.0		
Magnesium (ppm)	61.0		
Potassium (ppm)	176.0		
Lime Requirement (t/ha)	< 0.50		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

Please Note

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Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	SANDLEWOOD 10-30cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941B / SCL3644		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	5.9	5.5 - 8.1	Normal
pH [1:5 CaCl ₂]	4.5	4.9 - 7.5	Slightly Low
Organic Matter (%)	1.0	3.0 - 8.0	Low
CEC (meq/100g)	1.23	12.00 - 40.00	Very Low
EC [1:5 H ₂ O] (dS/m)	0.01	0.90 - 3.00	Very Low
NO ₃ -N (ppm)	< 1.0	15.0 - 70.0	Very Low
Phosphorus [Colwell] (ppm)	34	43 - 150	Slightly Low
Potassium[Am. Acet.] (meq/100g)	0.12	0.50 - 1.20	Low
Calcium[Am. Acet.] (meq/100g)	0.55	5.00 - 15.00	Very Low
Magnesium[Am. Acet.] (meq/100g)	0.34	0.80 - 4.50	Low
Sulphur [MCP] (ppm)	2	8 - 20	Low
Boron[CaCl ₂] (ppm)	< 0.1	1.0 - 5.0	Very Low
Copper [DTPA] (ppm)	0.3	2.5 - 20.0	Very Low
Iron [DTPA] (ppm)	43	5 - 120	Normal
Manganese [DTPA] (ppm)	2.6	5.0 - 60.0	Slightly Low
Zinc [DTPA] (ppm)	0.6	5.0 - 15.0	Very Low
Sodium[Am. Acet.] (meq/100g)	< 0.1	0.3 - 3.0	Very Low
Aluminium[KCl] (meq/100g)	0.16	1.00 - 2.50	Low
Chloride (ppm)	12	200 - 1100	Very Low
Ca base saturation (%)	45.1		Slightly Low
K base saturation (%)	9.9		High

Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	SANDLEWOOD 10-30cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941B / SCL3644		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
Mg base saturation (%)	27.3		High
Na base saturation (%)	4.2		High
Al base saturation (%)	13.40		
Ca:Mg Ratio	1.7	2.5 - 3.0	Low
Aluminium (ppm)	15.0		
Sodium (ppm)	< 18.4		
Calcium (ppm)	111.0		
Magnesium (ppm)	40.0		
Potassium (ppm)	47.0		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

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Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	BOTTOM SANDLEWOOD 0-10cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941C / SCL3645		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	6.4	5.5 - 8.1	Normal
pH [1:5 CaCl ₂]	5.4	4.9 - 7.5	Normal
Organic Matter (%)	2.2	3.0 - 8.0	Slightly Low
CEC (meq/100g)	3.48	12.00 - 40.00	Very Low
EC [1:5 H ₂ O] (dS/m)	0.04	0.90 - 3.00	Very Low
NO ₃ -N (ppm)	2.0	15.0 - 70.0	Very Low
NH ₄ /N (ppm)	< 1.0		
Phosphorus [Colwell] (ppm)	19	43 - 150	Low
Potassium[Am. Acet.] (meq/100g)	0.20	0.50 - 1.20	Low
Calcium[Am. Acet.] (meq/100g)	2.45	5.00 - 15.00	Low
Magnesium[Am. Acet.] (meq/100g)	0.71	0.80 - 4.50	Slightly Low
Sulphur [MCP] (ppm)	3	8 - 20	Low
Boron[CaCl ₂] (ppm)	0.2	1.0 - 5.0	Low
Copper [DTPA] (ppm)	0.5	2.5 - 20.0	Low
Iron [DTPA] (ppm)	66	5 - 120	Normal
Manganese [DTPA] (ppm)	8.5	5.0 - 60.0	Normal
Zinc [DTPA] (ppm)	1.0	5.0 - 15.0	Very Low
Sodium[Am. Acet.] (meq/100g)	< 0.1	0.3 - 3.0	Very Low
Aluminium[KCl] (meq/100g)	0.05	1.00 - 2.50	Very Low
Chloride (ppm)	20	200 - 1100	Very Low
Ca base saturation (%)	70.3		Normal

Analysis Results (SOIL)

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Sample Ref	BOTTOM SANDLEWOOD 0-10cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941C / SCL3645		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
K base saturation (%)	5.7		High
Mg base saturation (%)	20.5		High
Na base saturation (%)	2.0		High
Al base saturation (%)	1.50		
Ca:Mg Ratio	3.4	2.5 - 3.0	High
Texture	SANDY LOAM		
Colour	GREY BROWN		
Aluminium (ppm)	5.0		
Sodium (ppm)	< 18.4		
Calcium (ppm)	489.0		
Magnesium (ppm)	86.0		
Potassium (ppm)	77.0		
Lime Requirement (t/ha)	< 0.50		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

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Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	BOTTOM SANDLEWOOD 10-30cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941D / SCL3646		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	6.2	5.5 - 8.1	Normal
pH [1:5 CaCl ₂]	4.9	4.9 - 7.5	Normal
Organic Matter (%)	< 0.5	3.0 - 8.0	Very Low
CEC (meq/100g)	0.79	12.00 - 40.00	Very Low
EC [1:5 H ₂ O] (dS/m)	< 0.01	0.90 - 3.00	Very Low
NO ₃ -N (ppm)	< 1.0	15.0 - 70.0	Very Low
Phosphorus [Colwell] (ppm)	23	43 - 150	Slightly Low
Potassium[Am. Acet.] (meq/100g)	0.06	0.50 - 1.20	Very Low
Calcium[Am. Acet.] (meq/100g)	0.41	5.00 - 15.00	Very Low
Magnesium[Am. Acet.] (meq/100g)	0.25	0.80 - 4.50	Low
Sulphur [MCP] (ppm)	1	8 - 20	Very Low
Boron[CaCl ₂] (ppm)	< 0.1	1.0 - 5.0	Very Low
Copper [DTPA] (ppm)	0.2	2.5 - 20.0	Very Low
Iron [DTPA] (ppm)	16	5 - 120	Normal
Manganese [DTPA] (ppm)	0.8	5.0 - 60.0	Low
Zinc [DTPA] (ppm)	0.3	5.0 - 15.0	Very Low
Sodium[Am. Acet.] (meq/100g)	< 0.1	0.3 - 3.0	Very Low
Aluminium[KCl] (meq/100g)	0.05	1.00 - 2.50	Very Low
Chloride (ppm)	10	200 - 1100	Very Low
Ca base saturation (%)	52.2		Normal
K base saturation (%)	7.1		High

Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	BOTTOM SANDLEWOOD 10-30cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941D / SCL3646		
Crop	CANOLA		

Analysis	Result	Guideline	Interpretation
Mg base saturation (%)	31.5		High
Na base saturation (%)	3.3		High
Al base saturation (%)	6.00		
Ca:Mg Ratio	1.7	2.5 - 3.0	Low
Aluminium (ppm)	4.0		
Sodium (ppm)	< 18.4		
Calcium (ppm)	82.0		
Magnesium (ppm)	30.0		
Potassium (ppm)	22.0		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

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Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	CREEK 0-10cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941E / SCL3647		
Crop	LUCERNE		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	5.7	6.0 - 8.2	Slightly Low
pH [1:5 CaCl ₂]	4.6	5.4 - 7.6	Low
Organic Matter (%)	3.4	3.0 - 8.0	Normal
CEC (meq/100g)	4.69	12.00 - 40.00	Very Low
EC [1:5 H ₂ O] (dS/m)	0.03	0.90 - 3.00	Very Low
NO ₃ -N (ppm)	8.0	15.0 - 70.0	Slightly Low
NH ₄ -N (ppm)	< 1.0		
Phosphorus [Colwell] (ppm)	26	43 - 171	Slightly Low
Potassium[Am. Acet.] (meq/100g)	0.45	0.50 - 1.50	Slightly Low
Calcium[Am. Acet.] (meq/100g)	3.02	6.00 - 15.00	Slightly Low
Magnesium[Am. Acet.] (meq/100g)	1.05	0.80 - 4.50	Normal
Sulphur [MCP] (ppm)	5	8 - 20	Slightly Low
Boron[CaCl ₂] (ppm)	0.2	1.0 - 5.0	Low
Copper [DTPA] (ppm)	1.4	2.5 - 20.0	Slightly Low
Iron [DTPA] (ppm)	130	5 - 120	High
Manganese [DTPA] (ppm)	122.0	5.0 - 60.0	High
Zinc [DTPA] (ppm)	1.9	5.0 - 15.0	Low
Sodium[Am. Acet.] (meq/100g)	0.1	0.3 - 3.0	Very Low
Aluminium[KCl] (meq/100g)	0.09	1.00 - 2.50	Very Low
Chloride (ppm)	13	200 - 1100	Very Low
Ca base saturation (%)	64.4	50.0 - 75.0	Normal

Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	CREEK 0-10cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941E / SCL3647		
Crop	LUCERNE		

Analysis	Result	Guideline	Interpretation
K base saturation (%)	9.7	2.0 - 5.0	High
Mg base saturation (%)	22.3	5.0 - 15.0	High
Na base saturation (%)	1.8	1.0 - 2.0	Normal
Al base saturation (%)	1.90		
Ca:Mg Ratio	2.9	2.5 - 3.0	Normal
Texture	SILTY LOAM		
Colour	GREY BROWN		
Aluminium (ppm)	8.0		
Sodium (ppm)	19.0		
Calcium (ppm)	604.0		
Magnesium (ppm)	126.0		
Potassium (ppm)	177.0		
Lime Requirement (t/ha)	< 0.50		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

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Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	CREEK 10-30cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941F / SCL3648		
Crop	LUCERNE		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	6.2	6.0 - 8.2	Normal
pH [1:5 CaCl ₂]	4.8	5.4 - 7.6	Slightly Low
Organic Matter (%)	1.7	3.0 - 8.0	Low
CEC (meq/100g)	4.37	12.00 - 40.00	Very Low
EC [1:5 H ₂ O] (dS/m)	0.02	0.90 - 3.00	Very Low
NO ₃ -N (ppm)	3.0	15.0 - 70.0	Low
Phosphorus [Colwell] (ppm)	21	43 - 171	Slightly Low
Potassium[Am. Acet.] (meq/100g)	0.28	0.50 - 1.50	Low
Calcium[Am. Acet.] (meq/100g)	2.75	6.00 - 15.00	Low
Magnesium[Am. Acet.] (meq/100g)	1.19	0.80 - 4.50	Normal
Sulphur [MCP] (ppm)	2	8 - 20	Low
Boron[CaCl ₂] (ppm)	0.2	1.0 - 5.0	Low
Copper [DTPA] (ppm)	1.2	2.5 - 20.0	Low
Iron [DTPA] (ppm)	40	5 - 120	Normal
Manganese [DTPA] (ppm)	57.5	5.0 - 60.0	Normal
Zinc [DTPA] (ppm)	1.0	5.0 - 15.0	Very Low
Sodium[Am. Acet.] (meq/100g)	0.1	0.3 - 3.0	Low
Aluminium[KCl] (meq/100g)	0.06	1.00 - 2.50	Very Low
Chloride (ppm)	16	200 - 1100	Very Low
Ca base saturation (%)	63.0	50.0 - 75.0	Normal
K base saturation (%)	6.4	2.0 - 5.0	High

Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	CREEK 10-30cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122941F / SCL3648		
Crop	LUCERNE		

Analysis	Result	Guideline	Interpretation
Mg base saturation (%)	27.2	5.0 - 15.0	High
Na base saturation (%)	2.2	1.0 - 2.0	High
Al base saturation (%)	1.30		
Ca:Mg Ratio	2.3	2.5 - 3.0	Slightly Low
Aluminium (ppm)	5.0		
Sodium (ppm)	22.0		
Calcium (ppm)	550.0		
Magnesium (ppm)	143.0		
Potassium (ppm)	108.0		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

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Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	CREEK 30-60cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122942A / SCL3649		
Crop	LUCERNE		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	6.8	6.0 - 8.2	Normal
pH [1:5 CaCl ₂]	5.3	5.4 - 7.6	Slightly Low
Organic Matter (%)	1.1	3.0 - 8.0	Low
CEC (meq/100g)	14.38	12.00 - 40.00	Normal
EC [1:5 H ₂ O] (dS/m)	0.04	0.90 - 3.00	Very Low
NO ₃ -N (ppm)	< 1.0	15.0 - 70.0	Very Low
Phosphorus [Colwell] (ppm)	16	43 - 171	Low
Potassium[Am. Acet.] (meq/100g)	0.34	0.50 - 1.50	Slightly Low
Calcium[Am. Acet.] (meq/100g)	6.35	6.00 - 15.00	Normal
Magnesium[Am. Acet.] (meq/100g)	6.81	0.80 - 4.50	High
Sulphur [MCP] (ppm)	3	8 - 20	Low
Boron[CaCl ₂] (ppm)	0.2	1.0 - 5.0	Low
Copper [DTPA] (ppm)	1.6	2.5 - 20.0	Slightly Low
Iron [DTPA] (ppm)	26	5 - 120	Normal
Manganese [DTPA] (ppm)	21.0	5.0 - 60.0	Normal
Zinc [DTPA] (ppm)	0.4	5.0 - 15.0	Very Low
Sodium[Am. Acet.] (meq/100g)	0.8	0.3 - 3.0	Normal
Aluminium[KCl] (meq/100g)	0.05	1.00 - 2.50	Very Low
Chloride (ppm)	175	200 - 1100	Slightly Low
Ca base saturation (%)	44.1	50.0 - 75.0	Slightly Low
K base saturation (%)	2.3	2.0 - 5.0	Normal

Analysis Results (SOIL)

Customer	JOCK MORT BELLVEDERE GULGONG NSW 2852	Distributor	STODDART AGRICULTURE 15 MARKET ST MUDGEE NSW 2850
Sample Ref	CREEK 30-60cm	Date Received	05/05/2021 (Date Issued: 10/05/2021) (Date Sampled: 25/04/2021)
Sample No	B122942A / SCL3649		
Crop	LUCERNE		

Analysis	Result	Guideline	Interpretation
Mg base saturation (%)	47.3	5.0 - 15.0	High
Na base saturation (%)	5.8	1.0 - 2.0	High
Al base saturation (%)	0.30		
Ca:Mg Ratio	0.9	2.5 - 3.0	Very Low
Aluminium (ppm)	4.0		
Sodium (ppm)	193.0		
Calcium (ppm)	1270.0		
Magnesium (ppm)	817.0		
Potassium (ppm)	131.0		

Additional Comments

Soil analyses performed and reported on samples dried at 40°C and sieved to <2mm; Plant tissue analyses performed and reported on samples dried at 70°C and ground (NB/ Fruit, Fruitlet & Tuber reported on fresh weight basis)

Please Note

Whilst every care is taken to ensure that the Results from Analysis are as accurate as possible, it is important to note that the analysis relates to the sample received by the laboratory, and is representative only of that sample. No warranty is given by the laboratory that the Results from Analysis relates to any part of a field or growing area not covered by the sample received. It is important to ensure that any soil, leaf, silage or fruitlet sample sent for analysis is representative of the area requiring analysis and that samples are obtained in accordance with established sampling techniques. A leaflet containing instructions on how to take soil, leaf, herbage, silage and fruit samples for analysis is available from the laboratory on request.

This laboratory has been awarded a Certificate of Proficiency for specific soil and plant tissue analyses by the Australasian Soil and Plant Analysis Council (ASPAC). Tests for which proficiency has been demonstrated are highlighted in this report with an asterisk.