

Analysis Results (SOIL)

Customer	██████████	Distributor	MG TRADING
Sample Ref	BAY 2 E	Date Received	14/03/2019
Sample No	B108552A / SCF3050		
Crop	MAIZE		

Analysis	Result	Guideline	Interpretation
pH [1:5 H ₂ O]	6.4	5.6 - 8.1	Normal
pH [1:5 CaCl ₂]	5.8	5.0 - 7.5	Normal
Organic Matter (%)	7.2	3.0 - 8.0	Normal
CEC (meq/100g)	15.06	12.00 - 40.00	Normal
EC [1:5 H ₂ O] (dS/m)	0.14	0.90 - 3.00	Low
NO ₃ -N (ppm)	27.0	15.0 - 70.0	Normal
NH ₄ -N (ppm)	3.0		
Phosphorus [Olsen] (ppm)	16	14 - 70	Normal
Potassium[Am. Acet.] (meq/100g)	0.58	0.50 - 1.20	Normal
Calcium[Am. Acet.] (meq/100g)	12.44	5.00 - 15.00	Normal
Magnesium[Am. Acet.] (meq/100g)	1.72	0.80 - 4.50	Normal
Sulphur [MCP] (ppm)	37	8 - 20	High
Boron[CaCl ₂] (ppm)	0.5	1.0 - 5.0	Slightly Low
Copper [DTPA] (ppm)	8.8	2.5 - 20.0	Normal
Iron [DTPA] (ppm)	195	5 - 120	High
Manganese [DTPA] (ppm)	20.8	5.0 - 60.0	Normal
Zinc [DTPA] (ppm)	3.4	5.0 - 15.0	Slightly Low
Sodium[Am. Acet.] (meq/100g)	0.3	0.3 - 3.0	Slightly Low
Aluminium[KCl] (meq/100g)	0.03	1.00 - 2.50	Very Low
Chloride (ppm)	27	200 - 1100	Very Low
Ca base saturation (%)	82.6	50.0 - 75.0	High
K base saturation (%)	3.9	2.0 - 5.0	Normal
Mg base saturation (%)	11.4	5.0 - 15.0	Normal
Na base saturation (%)	1.9	1.0 - 2.0	Normal
Al base saturation (%)	0.20		
Ca:Mg Ratio	7.2	2.5 - 3.0	High
Texture	SANDY LOAM		



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Analysis Results (SOIL)

Customer [REDACTED] **Distributor** MG TRADING
Sample Ref BAY 2 E **Date Received** 14/03/2019
Sample No B108552A / SCF3050
Crop MAIZE

Analysis	Result	Guideline	Interpretation
Colour	BROWN		
Aluminium (ppm)	2.0		
Sodium (ppm)	67.0		
Calcium (ppm)	2488.0		
Magnesium (ppm)	207.0		
Potassium (ppm)	226.0		
Lime Requirement (t/ha)	< 0.50		

Additional Comments

Aluminium (Al): 1 meq/100g equals 90 ppm; Potassium (K): 1 meq/100g equals 390 ppm; Sodium (Na): 1 meq/100g equals 230 ppm; Magnesium (Mg): 1 meq/100g equals 120ppm; Calcium (Ca): 1 meq/100g equals 200ppm; Organic Matter(%) equals 1.72 x Organic Carbon(%); You should consult your local agronomist/consultant before deciding upon any course of action based on this report. 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 report has been generated by Yara's Megalab™ software.

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.



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Date Printed : 19/03/2019

Analysis Results (SOIL)

Customer		Distributor	MG TRADING
Sample Ref	BAY 4 DT	Date Received	14/03/2019
Sample No	B108552C / SCF3051		
Crop	MAIZE		

Analysis	Result	Guideline	Interpretation
pH [1:5 H2O]	6.6	5.6 - 8.1	Normal
pH [1:5 CaCl2]	6.0	5.0 - 7.5	Normal
Organic Matter (%)	6.8	3.0 - 8.0	Normal
CEC (meq/100g)	16.15	12.00 - 40.00	Normal
EC [1:5 H2O] (dS/m)	0.13	0.90 - 3.00	Very Low
NO3-N (ppm)	10.0	15.0 - 70.0	Slightly Low
NH4-N (ppm)	2.0		
Phosphorus [Olsen] (ppm)	18	14 - 70	Normal
Potassium[Am. Acet.] (meq/100g)	0.63	0.50 - 1.20	Normal
Calcium[Am. Acet.] (meq/100g)	13.62	5.00 - 15.00	Normal
Magnesium[Am. Acet.] (meq/100g)	1.73	0.80 - 4.50	Normal
Sulphur [MCP] (ppm)	70	8 - 20	High
Boron[CaCl2] (ppm)	0.6	1.0 - 5.0	Slightly Low
Copper [DTPA] (ppm)	2.0	2.5 - 20.0	Slightly Low
Iron [DTPA] (ppm)	153	5 - 120	High
Manganese [DTPA] (ppm)	16.8	5.0 - 60.0	Normal
Zinc [DTPA] (ppm)	4.5	5.0 - 15.0	Slightly Low
Sodium[Am. Acet.] (meq/100g)	0.2	0.3 - 3.0	Low
Aluminium[KCl] (meq/100g)	< 0.02	1.00 - 2.50	Very Low
Chloride (ppm)	19	200 - 1100	Very Low
Ca base saturation (%)	84.3	50.0 - 75.0	High
K base saturation (%)	3.9	2.0 - 5.0	Normal
Mg base saturation (%)	10.7	5.0 - 15.0	Normal
Na base saturation (%)	1.0	1.0 - 2.0	Normal
Al base saturation (%)	0.10		
Ca:Mg Ratio	7.9	2.5 - 3.0	High
Texture	SANDY LOAM		



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Crop MAIZE

Analysis	Result	Guideline	Interpretation
Colour	BROWN		
Aluminium (ppm)	< 2.0		
Sodium (ppm)	36.0		
Calcium (ppm)	2725.0		
Magnesium (ppm)	207.0		
Potassium (ppm)	245.0		
Lime Requirement (t/ha)	< 0.50		

Additional Comments

Aluminium (Al): 1 meq/100g equals 90 ppm; Potassium (K): 1 meq/100g equals 390 ppm; Sodium (Na): 1 meq/100g equals 230 ppm; Magnesium (Mg): 1 meq/100g equals 120ppm; Calcium (Ca): 1 meq/100g equals 200ppm; Organic Matter(%) equals 1.72 x Organic Carbon(%); You should consult your local agronomist/consultant before deciding upon any course of action based on this report. 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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