

Client Details

Client: EXAMPLE CLIENT	Date received: 12/02/2016
Grower: Example Grower	Current Paddock: BLOCK G (Sampled: 12/02/2016)
Order No.: 2016-156	Date reported: 18/02/16
Sample ID: 16004413	Profile sampled (cm): 30
Lab code: ES25	Client agronomist: EXAMPLE AGRONOMIST
Crop: CAPSICUM	Soil Type: Heavy Soil (CEC >12meq)

N-Check Results

Nitrate: 29.90ppm	Nitrate: 283.61kg/ha	Total Available N: 287.21kg/ha
Ammonium: 0.38ppm	Ammonium: 3.60kg/ha	Total req. N (kg/ha): 250
Bulk Density: 1.13g/cm	Rootzone Moisture: 36.10mm	% Moisture: 10.65% W/W

expressSoil Results

Analyte	Units	Result	Optimal Range	Status
pH (H ₂ O)*	(pH)	6.90	6 - 7	Slightly Acidic
pH (CaCl ₂)*	(pH)	6.62	5.2 - 6.5	Alkaline
EC*	dS/m	0.75	0 - 0.15	Very High
Lime requirement	t/ha			
ESI	units	0.135	value >0.05	Satisfactory
Total Carbon*	%	0.88		
Total Nitrogen*	%	0.086		
Carbon:Nitrogen Ratio	(ratio)	10.219		
Organic Matter	%	1.355	3.25 - 5.2	Very Low
M3 PSR	(ratio)	0.05	0.06 - 0.23	Low
Mehlich Phosphorus*	ppm	34.73	40 - 90	Low
Potassium*	ppm	210.85	245 - 400	Low
Sulphur*	ppm	173.6	12 - 45	Very High
Calcium*	ppm	3496.49	1950 - 3450	High
Magnesium*	ppm	1349.73	220 - 440	Very High
Sodium*	ppm	412.36	32 - 115	Very High
Chloride*	ppm	486.5	0 - 200	Very High
Zinc*	ppm	2.32	2.2 - 11	Satisfactory
Copper*	ppm	3.40	2.5 - 10	Satisfactory
Boron*	ppm	0.78	2.2 - 6	Very Low
Manganese*	ppm	125.9	18 - 70	Very High
Iron*	ppm	116.72	40 - 250	Satisfactory
CECe	meq/100g	32.433		
Calcium	meq/100g	17.4 (53.8%CEC)	9.7 - 17.2	High
Potassium	meq/100g	0.5 (1.7%CEC)	0.6 - 1.0	Low
Magnesium	meq/100g	11.1 (34.3%CEC)	1.8 - 3.6	Very High
Sodium	meq/100g	1.8 (5.5%CEC)	0.1 - 0.5	High
Base Saturation	%	95.238	80 - 87	High
Exchangeable Acidity	meq/100g	1.5 (4.8%CEC)	13 - 20 %CEC	Very Low
Aluminium Saturation	%	0.00		
Ca:Mg Ratio	(ratio)	1.57	3 - 5	Low
K:Mg Ratio	(ratio)	0.0	0.3 - 0.5	Very Low



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Analysis by AgVita Analytical

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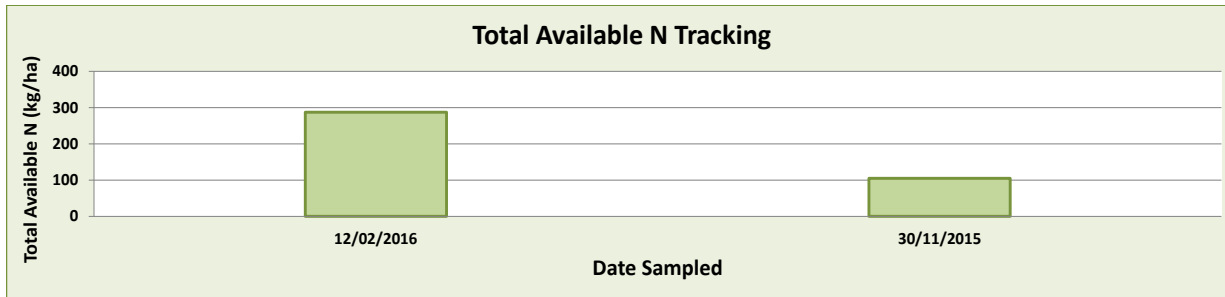
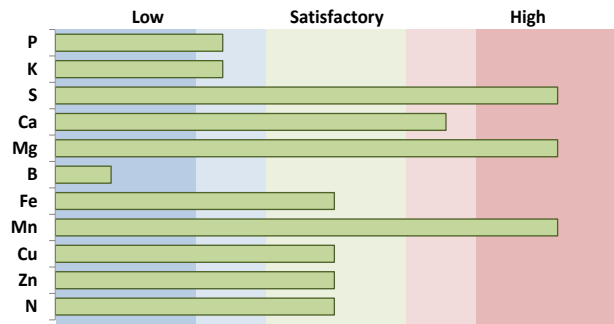
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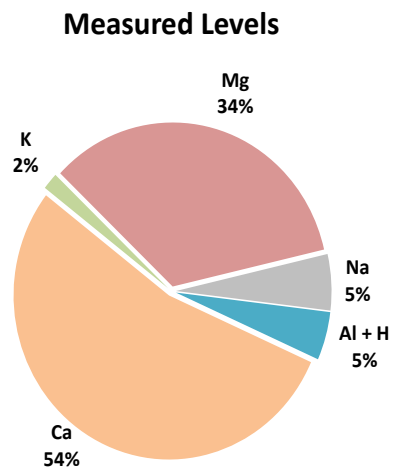
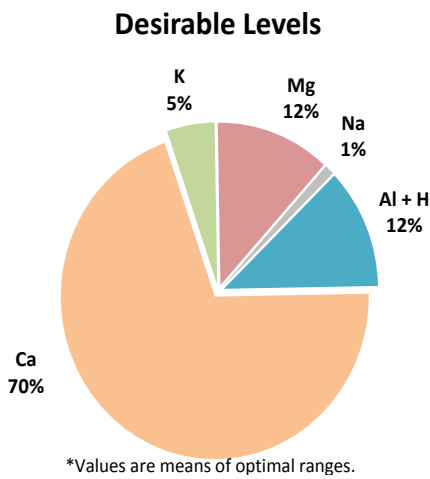
Nutrient Status and Imbalances:

BLOCK G (Sampled: 12/02/2016)

	Desired Level (kg/ha)	Measured Level (kg/ha)
Phosphorus	49.1	26.3
Potassium	243.8	159.4
Sulphur	21.55	131.23
Calcium	2041.2	2643.3
Magnesium	249.5	1020.4
Boron	3.1	0.6
Iron	109.62	88.24
Manganese	33.3	95.2
Copper	4.7	2.6
Zinc	5.0	1.8
Nitrogen	250.00	287.21



Soil Cation Composition (as % CECe)





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Recommendations: BLOCK G (Sampled: 12/02/2016)

Recommended Soil Ameliorant Applications

Product	Timing	Rate (kg/ha)	Application method	Comments

Recommended Fertiliser Applications

Product	Timing	Rate (kg/ha)	Application	N	P	K	S	Ca	Mg

Total nutrient application (kg/ha):



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