Pasture Analysis Report

APAL is **ASPAC accredited** for plant tissue testing

PASTURE ANALYSIS RESULTS

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Target levels set at 75% of the ideal range

Agent:	APAL	*Date Received:*	12-Nov-10
Client Name:	A FARMER	*Date Reported:*	09-Feb-11
Sample ID:	2	*Pasture composition:*	Pasture
Analytical No:	PT 006	*Growth stage:*	Vegetative
Batch No:	2010/PT285	*Reporting consultant:*	Dr Colin Trengove
	Livestock type: CATTLE		

Results of APAL lab analysis

NUTRIENT BALANCE CHART IN RELATION TO PLANT AND ANIMAL REQUIREMENTS

	RESULTS:	Result	Deficiency	Marginal	Acceptible	High	Excess	Desired Plant	Desired Animal
MACRO ELEMENTS	Nitrogen	4.88 %						4.7 %	3.6 %
	Nitrate	0.49 %						N/A	< 0.3 %
	Crude Protein	30.5 %						29.2 %	23 %
	Sulphur	0.35 %						0.36 %	0.35 %
	Phosphorus	0.70 %						0.36 %	0.53 %
	Potassium	5.37 %						3.1 %	1.75 %
	Magnesium	0.35 %						0.44 %	0.24 %
	Calcium	0.40 %						2.8 %	0.65 %
	Sodium	0.34 %						0.1 %	0.40 %
	Chloride	1.36 %						1.3 %	0.28 %
TRACE ELEMENTS	Iron	90 ppm						53 ppm	60.00 ppm
	Aluminium	20 ppm						85.0 ppm	N/A
	Manganese	53.9 ppm						33 ppm	43.75 ppm
	Boron	3.1 ppm						55.0 ppm	25.00 ppm
	Copper	6.4 ppm						23.8 ppm	17.50 ppm
	Zinc	58.9 ppm						33.8 ppm	68.75 ppm
	Cobalt	0.45 ppm						0.3 ppm	0.18 ppm
	Molybdenum	1.8 ppm						1.6 ppm	1.33 ppm
	Selenium	ppm						N/A	0.18 ppm
INDICES	*Ca/P ratio*	0.6 index						N/A	2
	Cation Index	0.1 index						N/A	2
	Cation:Anion	917 index						N/A	245
	Grass Tetany	2.8 index						N/A	< 2.2

Graph desired ranges come from industry recognized sources and are specific to pasture and stage of growth

Plant ■■■■■■■■■■ *Animal* ■■■■■■■■■■ *N/A = not applicable* *DMI = dry matter intake as % of body weight ie kg/day*

A full analysis is conducted on every sample including nitrates, chlorides, boron, cobalt and molybdenum that are not standard tests for many other labs. Selenium is the only extra test offered.

The graph can be accompanied by a full interpretive report discussing current & predicted animal health issues plus remedies based on the pasture analysis and calculated indices

Graph desired ranges come from industry recognized sources and are specific to animal species grazing the pasture