**SWEP** PTY.LTD.**ANALYTICAL  
LABORATORIES**

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REPORTONSAMPLEOF

SOIL

FILENO: **EXAMPLESTANDARDSOILREPORT**

DATEISSUED: 27/11/2006

CLIENTNAME  
ADDRESS1  
ADDRESS2CLIENTID:  
PHONE:  
FAX:SAMPLEID: PADDOCK1  
DEPTHOFSAMPLE(cm): 0to12  
LANDUSE: PASTUREREFERENCE: AGENTNAME  
REFERENCEPHONE: AGENTPH.#  
DATERECEIVED:  
ANALYSISREQUIRED: Full

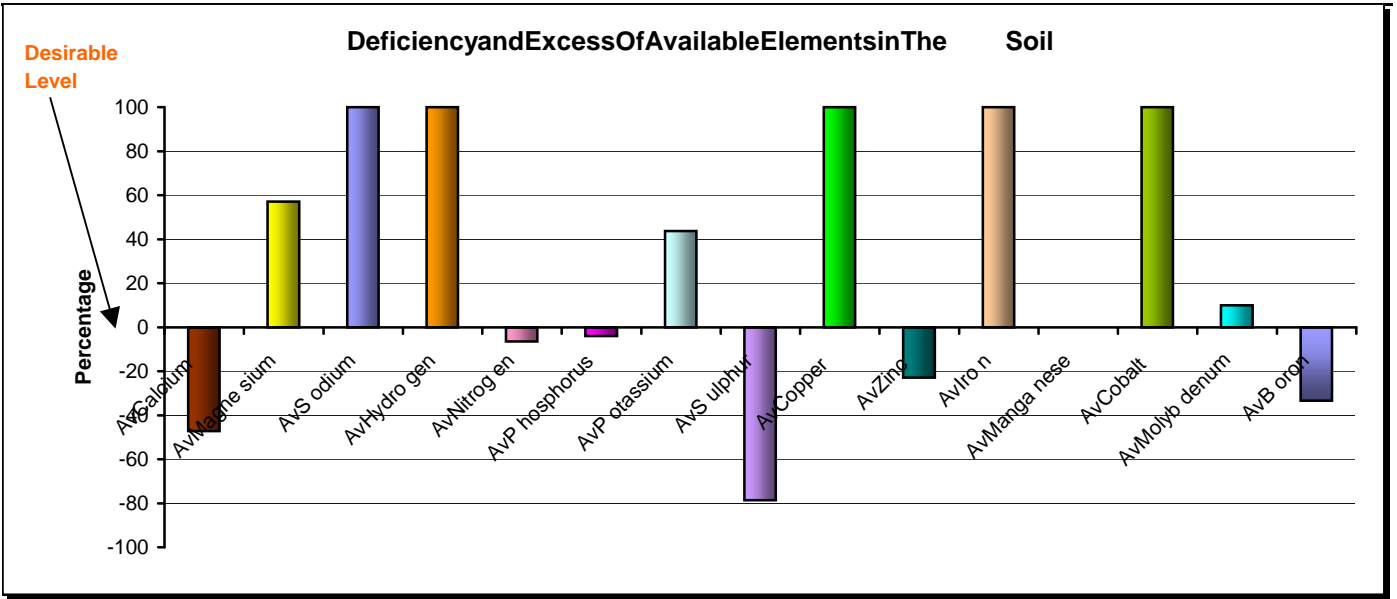
ITEMS	RESULTS	DESIRABLELEVEL
COLOUR: BROWN		
TEXTURE: LIGHTCLAY		
pH(1:5Water)	7.2	5.5-7.5
pH(1:50.01M CaCl <sub>2</sub> )	6.6	
ElectricalConductivity EC μS/cm	194	<300
TOTALSOLUBLESALT TSS ppm	640.2	<990
AVAILABLECALCIUM Ca ppm	1200	2271
AVAILABLEMAGNESIUM Mg ppm	472.8	301
AVAILABLESODIUM Na ppm	519.8	<192
AVAILABLENITROGEN N ppm	23.4	25
AVAILABLEPHOSPHORUS P ppm	28.8	30
AVAILABLEPOTASSIUM K ppm	273	190
AVAILABLESULPHUR S ppm	1.5	7
AVAILABLECOPPER Cu ppm	5.3	2
AVAILABLEZINC Zn ppm	5.4	7
AVAILABLEIRON Fe ppm	115	>20
AVAILABLEMANGANESE Mn ppm	20	>20
AVAILABLECOBALT Co ppm	2.9	=>1.0
AVAILABLEMOLYBDENUM Mo ppm	1.1	1.0
AVAILABLEBORON B ppm	0.4	0.6-1.0
TOTALORGANICMATTER OM %	6	6-10
TOTALORGANICCARBON OC %	3	3-5
TOTALPHOSPHORUS TP ppm	notrequired	
EXTRACTABLEALUMINIUM Al ppm	notrequired	
TOTALNITROGEN N %	notrequired	
TOTALCALCIUM Ca ppm	notrequired	
TOTALMAGNESIUM Mg ppm	notrequired	
TOTALCHLORIDE Cl ppm	notrequired	
EXTRACTABLESILICA Si ppm	notrequired	

ITEMS			RESULTS	DESIRABLELEVEL
EXCHANGEABLECALCIUM	Ca	me/100gofsoil	5.35	9.95
EXCHANGEABLEMAGNESIUM	Mg	me/100gofsoil	3.51	2.30
EXCHANGEABLESODIUM	Na	me/100gofsoil	2.02	<0.77
EXCHANGEABLEPOTASSIUM	K	me/100gofsoil	0.62	0.77
EXCHANGEABLEHYDROGEN	H	me/100gofsoil	6.8	
ADJ.EXCHANG.HYDROGEN	H	me/100gofsoil	3.8	<2.30
CATIONEXCHANGECAPACITY	CEC		18.3	
ADJUSTEDCEC	Adj.CEC		15.3	
EXCH.SODIUMPERCENTAGE	ESP		13.2	<5
CALCIUM/MAGNESIUMRATIO	Ca/Mg		1.52	2-4
BASESATURATIONPERCENTAGE	BSP		65	

ITEMS		PERCENTAGEOFADJUSTEDCEC
EXCHANGEABLECALCIUM	Ca	35
EXCHANGEABLEMAGNESIUM	Mg	22.9
EXCHANGEABLESODIUM	Na	13.2
EXCHANGEABLEPOTASSIUM	K	4.1
EXCHANGEABLEHYDROGEN	H	24.8

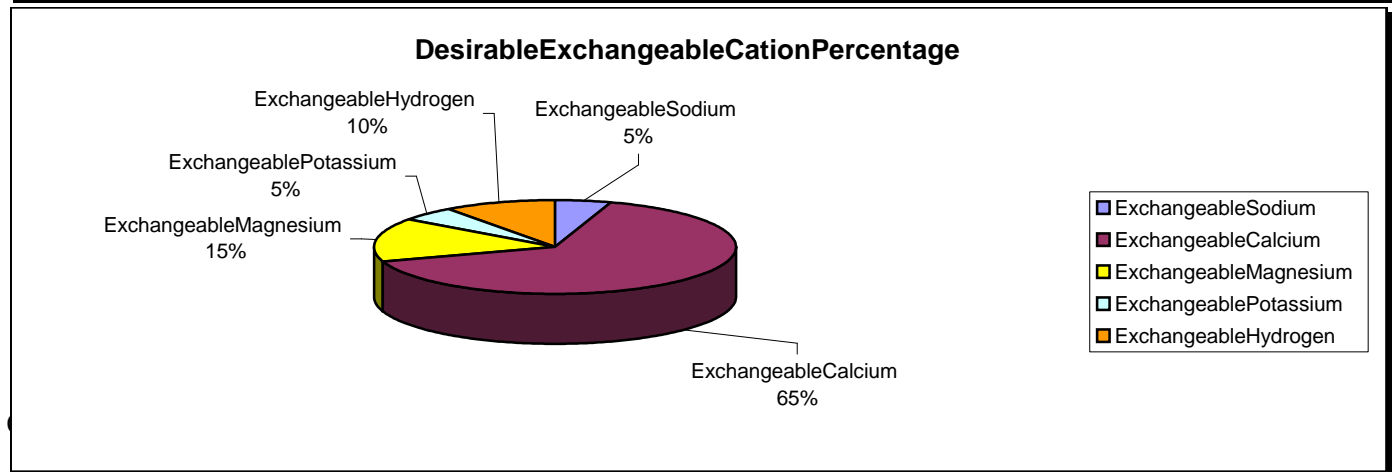
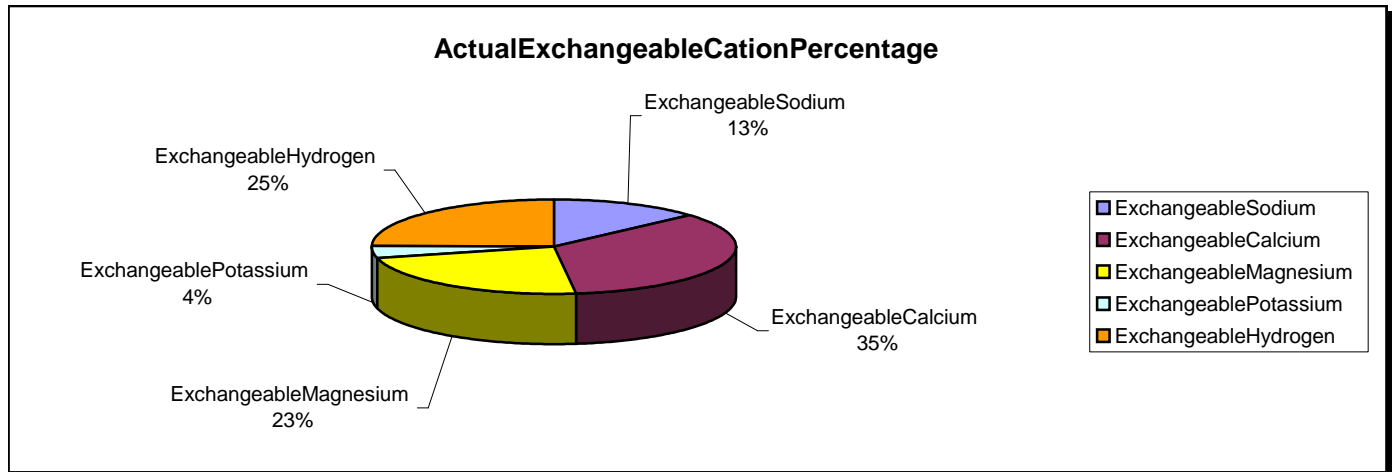
PREVIOUSAPPLICATIONS(IFAPPLICABLE)	DATEOFAPPLICATION
GYPSUMAPPLIED t/ha	
LIMEAPPLIED t/ha	
DOLOMITEAPPLIED t/ha	
MagnesiumSulphate kg/ha	

CEC=CationExchangeCapacity



Notes:

- Phosphorus fixation effects if Iron is more than 300ppm
- Manganese will be at toxicity level if it reaches 500ppm



**RECOMMENDATION**

1285KgofCalciumisneededtoraisetheAvailable Calciumto68%and/orExchangeableCalciumto65%

GYPSUMREQUIREMENT	<b>4.7</b> t/ha				
LIMEREQUIREMENT	<b>0.5</b> t/ha				
DOLOMITEREQUIREMENT	<b>0</b> t/ha				
MAGNESIUMSULPHATE	kg/haor	MAGNESIUMOXIDE		kg/h	a
TOTALFERTILIZERREQUIREMENT(kg/ha)		N	P	K	S
		<b>5</b>	<b>6</b>		
WITH	COPPER	<b>0</b> kg			
	ZINC	<b>1</b> kg			
	COBALT	<b>0</b> kg			
	MOLYBDENUM	<b>0</b> kg			
	IRON	<b>0</b> kg			
	MANGANESE	<b>0</b> kg			
	BORON	<b>0.5</b> kg			

**NOTES:**

- GypsumRequirementistoincreasetheCalcium andSulphuranddecrease theExchangeableSodiumand/ortheExchangeabl eMagnesiuminthesoil.
- LimeRequirementistoincreasetheCalciuman ddecreasethehydrogeninthesoil
- LimeRequirementisbasedonLimecontaining4 0%Calcium.
- WeadvisehatLimeshouldbeappliedfirstin AutumnthenfollowedbyFertiliserinSpring.

Werecommendthat25kg/haofPotassiumshould beappliedaftercuttingofHay.