0

0

0

Solutions for Eco-nomically Sustainable Farming

SSM Soil Advisor

lan Robertson

LAB No: 92871 02/03/2020 Sample DATE: 29/06/2020 Report DATE:

Sample No:

Q23800

07970 286420

)	Facts Fertiliser Advisor		lan Ro	lan Robertson 01653/12						
	Field ID: SILAGE 3			1 <u>Ha</u>		CROP SOWN:		No Crop Given				
A	A Restricted soil structure (Bd)			Soil test is assumed to be carried ou				r soil at General plough depth				
CEC	Active pH	5.90	Priority; consider					Result 30 = large. 9.82		Silt % Clay %	6	
	A moderately	acidic soil.	liming.	Total Exch	Total Exchangable 6 = sma					0 0		
3	Crop dependant	Crop dependant responses.		Capacity (TEC) 15 viewed		as average		0				
ph	Buffer pH 6.60								Stone content 9	6 if known		
	Active Carbon	2-3%	1.63						Dry BD	(0.87	
beard.	Organic Matter	_ Min >3%	10.10	Watch for copper lock	tup				Field Bulk density if	known		
OM	Organic Carbon								Estimated NR			
	Min required OM for s	structural integrity				T/C/ha Target 98 Found 116 T/C/Ha Foliar management recommendations				116 T/C/Ha		
Cation Summary	nH	Liming is not an	Terker programment of the progra	gement recommendations (crop dependant) (view Buffer pH)			Contractive Contraction of the Management	POPOSTO REPORT OF MANAGEMENT			ılses)	
	pH Liming is potentially reponsive (Calcium consider applying Soil Calcium i						Foliar phosphate reponsive (Molybdenum in Brassicae and pulses)					
		Aagnesium			Tappi opriate (o.m.			apply foliar Magnesium				
Su		Potash Question crop peak de			emands - 279.7 Kg/ha K20 Found							
ion	Sodium											
Cat	Phosphates	0.0	kg/ha recommo	ended - Apply solubilising bacteria			activate phosphate					
	Sulphates Ensure Crop requirement Applic			ed			Foliar apply sulphur if High N applications or sandy soil					
w ₀	Reported as kilo			grams/hectare - elemental (kg/ha)				% Base Cation Saturation Paties (PCSP) 25.00 Desired Cation% v Found				
figures	Major Elements in	CROP A	WAILABLE NU	JTRIENTS	TOTAL IN SO	IL Reserves	Ratios	(BCSR)	Desire	eu <u>Cation%</u> v Fou	ina	
Saturation fig	Elemental form	kg/ha DESIRED	kg/ha Found	Difference	ELEMENT	AL kg/ha	DESIRED	FOUND	20.00			
	Calcium Ca +	2585	2405	-180	436	52	67.50	62.80				
<u>~</u>	Magnesium Mg+	287	217	-70	304	14	12.50	9.46	15.00			
\$	Potassium K+	293	233	-59 1457			3.92	3.12				
	Sodium Na	39	45	6	95	5	0.89	1.02	10.00			
.0	Other elements	7%	2.60		Minor Imp	Minor Importance 7.19 2.60			5.00			
Cation	Hydrogen	8%					8	21				
Base	Sulphate (S03)	90	82.26	-7	114		Excessive Total P reserv	es for the soils holding	0.00			
2	Phosphate (P205)	128	109	-20	273		сара	city	Mg	K Na other H		
	General commen	t on Calcium	Th	e calcium is 'root available' but review the result in conjunction with desired BCSR								
Cation Ratios	Calairea	RATIOS: 1	Found Structural comments 6.6 Ideal bulk soil structure					Plant health comments				
R.	Calcium Ca : Mg 5.40 Magnesium Mg: K 3.19			3.03 Soil should be workable.				Magnesium is low. Increase solution magnesium.				
tion	Potassium K : Mg 1.02			1.07 consider foliar Mg					Potash should be increased.			
Ü	Potassium K : Na 4.40		3.07 Possible negative crop of									
8	Electrical Conductivity & Sodium Ad			sorbtion Ratio CROSS Catio Ratio of Stability			Estimate	Estimated Sodium Potential (ESP) Na : K				
Sodium			Guide <4	0.17	Citado de la Citado de Constituido d		Guide result <6		1.02	Na should be lov	-	
Š	EC/TDS N/A			Available < 0.5 0.47 Potential dispe			spersible soil su	oil surface in rain. ratio OK				
S	Dheenhouse 4.50 W.5.0			Application of the second and the se					Biological Treatment			
Biology	Phosphorus 1.59 % 5-8 C:P ratio 42.3 40to1 pH 5.90 Organic Carbon 5.93 %		Apply soil biology - (phospate solubilising bacteria) maintain humus				Yes Required					
Bio			40101	A fungal dominated environment.					crop dependant			
			Maintain Carbon Levels with Organic matter					Aim for s	Aim for soil carbon to be above 5%			
	Predicted availability of trace elements			Found Guides S			Soil Treatment		<u>F</u>	oliar treatment		
Trace Elements	Boron	В	mg/l	0.50	1.2-2.4	А	pply Granular Boro	on	High Bor	on demanding crops	sonly	
	Iron	Fe	mg/l	420.00	18 - 189	Apply pro	oducts that create	new roots				
	Manganese	Mn	mg/l	27.60	18 -70							
Slei	Copper	Cu	mg/l	2.30	2.5 - 7	С	nsider soil copper		YES			
ie I	Zinc	Zn	mg/l	38.40	4 - 10.							
ra	Chlorine	Cl	mg/l	0.00	9-20.							
	Molybdenum	Mo	mg/l mg/l	0.50	1 0.5-0.7		N/A		Brassicae/r	oulse/ clover respond	d to Mo	
1	INIOINDUCTION		mg/l	0.00	0.5-0.7		not reported		Di assicae/j	Clovel respond	_ 10 1110	
	Cobalt	Co						-	Modified	24		
	Cobalt		17025-2005			Morgan	/ Reams			Morgan		
	Cobalt Standard UK inc	dex to ISO/IEC	17025-2005	Buffer pH	6.6		/ Reams Mg/I		Mounted		Index	
ıres	Cobalt Standard UK income/I	dex to ISO/IEC	17025-2005	Buffer pH Phosphorus	6.6	Morgan Index 0	/ Reams Mg/I 0	Phos	ohorus	mg/l 0		
igures	Standard UK inc mg/l 21.2	dex to ISO/IEC Index 2	17025-2005	Buffer pH Phosphorus Potassium	6.6	Index 0	Mg/l 0			mg/l 0	.0	
x Figures	Standard UK inc mg/l 21.2 97.4	lndex 2 1	17025-2005	Phosphorus Potassium	6.6	Index	Mg/I	Pota	ohorus	mg/l		
ndex Figures	Standard UK inc mg/l 21.2 97.4 91.6	lndex 2 1 2		Phosphorus	6.6	Index 0 0	Mg/l 0 0	Pota	ohorus ssium	mg/l 0 0	_0 0	
Index Figures	Standard UK inc mg/l 21.2 97.4 91.6	lndex 2 1		Phosphorus Potassium Magnesium		Index 0 0	Mg/I 0 0 0 0	Pota	ohorus ssium nesium	mg/l 0 0	_0 0	
Index Figures	Standard UK inc mg/l 21.2 97.4 91.6	lndex 2 1 2	en method	Phosphorus Potassium Magnesium Calcium Organic Matter		0 0 0 0	Mg/I 0 0 0 0	Pota Magr Organic Matte	ohorus ssium nesium er	mg/l 0 0	.0 0 0	