

# 864 Connect Agricultural Services

## REAMS SOIL ANALYSIS



NUTRIENT		UNITS	RESULT	DESIRED	SURPLUS/ DEFICIT
Humus (Organic Carbon)		%	0.2	3.0	2.8
pH		#	6.9	6.4	0.5
Paramagnetism		cgs	525	750	(225)
ERGS (Conductivity)		mS/m	379	400	(21)
<b>CATIONS</b>					
Calcium	Ca	ppm	222	1136	
Calcium	Ca	kg/ha	488	2,500	(2,012)
Magnesium	Mg	ppm	128	162	
Magnesium	Mg	kg/ha	282	357	(76)
Potassium	K	ppm	35	164	
Potassium	K	kg/ha	77	360	(283)
Sodium	Na	ppm	12	5	
Sodium	Na	kg/ha	0	11	(11)
Sulphate	SO <sub>4</sub>	ppm	35	200	
Sulphate	SO <sub>4</sub>	kg/ha	77	440	(363)
Nitrate N	NO <sub>3</sub>	ppm	28	20	
Nitrate N	NO <sub>3</sub>	kg/ha	62	40	22
Ammonium N	NH <sub>4</sub>	ppm	14	20	(5.60)
Ammonium N	NH <sub>4</sub>	kg/ha	2	40	(38.00)
<b>ANIONS</b>					
Chloride	Cl <sup>-</sup>	ppm		50	
Chloride	Cl <sup>-</sup>	kg/ha		110	
Phosphorus	P	ppm	15	125	
Phosphorus	P	kg/ha	15	275	(260)
<b>MINOR NUTRIENTS</b>					
Aluminium	Al	ppm	2.0	10	
Aluminium	Al	kg/ha	3.9	22	(18.10)
Ferric Iron	Fe	ppm	4.0	11	
Ferric Iron	Fe	kg/ha	0.9	25	(24.18)
Manganese	Mn	ppm	0.0	10	
Manganese	Mn	kg/ha	0.0	45	(45.00)
<b>RATIOS</b>					
Ca:Mg	Ratio		1.7	7:1	
Ca:P	Ratio		14.8	7:1	
P:K	Ratio		6.3	1:1	
K:Na	Ratio		23.0	5:1	
NO <sub>3</sub> :NH <sub>4</sub>	Ratio		1.9	1:1	

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*COMMENTS*

Blank lined area for comments, featuring alternating light blue and yellow horizontal bands.

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**SOIL AMENDMENTS AND RE**

<b>APPLICATION AREA -Ha</b>		<b>30</b>				
<b>ELEMENTS</b>			<b>S</b>	<b>Ca</b>	<b>B</b>	<b>Si</b>
<b>DEFICIT TO APPLY</b>	<b>Kg/Ha</b>			<b>0</b>	<b>0</b>	<b>45</b>
<b>APPLICATION TOTAL</b>	<b>KGS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1,350</b>
<b>FERTILIZER TYPE</b>	<b>Kg/Ha</b>	<b>TOTAL Kgs</b>				
GYPSUM	250	7,500	1,350	1,500		
LIME	1,000	30,000		12,000		
GUANO	400	12,000	1,440	4,200	8	2,040
CALCIUM NITRATE	0	0		0		
COPPER SULPHATE	50	1,500	195			
ZINC SULPHATE	50	1,500	263			
SODIUM MOLYBDATE	5	150				
FISH HYDROLYSATE	50	1,500	5	5		
HUMATES	10	300				
SODIUM MOLYBDATE	5	150				
IRON SULPHATE	100	3,000				
COBALT		0				
MANGANESE SULPHATE	50	1,500	270			
HYDROGEN PEROXIDE	1	30				
<b>TOTALS</b>			<b>3,523</b>	<b>17,705</b>	<b>8</b>	<b>2,040</b>

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**COMMENDATIONS - PIVOT 1**

P	N	Zn	Fe	Cu	Mn	Mo	Co	Se
520		0	0	48	36	0	0	0
15,600	0	0	0	1,451	1,086	0	0	0

1,404

0

93

26

195

525

5

45

59

840

480

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1,409	45	618	840	221	480	59	0	0
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