

SOIL TEST RESULTS

		MARCH 2010	DECEMBER 2010	OCTOBER 2011			
		UNDISTURBED	UNDISTURBED	UNDISTURBED	MULCH HAY	NEWSPRINT	CARDBOARD
pH		6.2	6.0	5.7	6.5	6.7	6.9
Buffer pH		6.4	6.5	6.2	6.7	6.9	6.9
Organic Matter (%)		11.7	11.5	10.8	13.1	15	12.5
Nutrients (ppm)							
P		8	20.0	4	58	64	231
K		589	636.0	305	281	196	361
Ca		724	647.0	325	1588	1681	3043
Mg		263	225.0	125	256	260	372
	SOIL RANGE						
B	0.1-2.0	0.3	0.1	0.5	0.4	0.4	0.6
Mn	3.0-20.0	10.1	13.3	7.6	6.4	5.5	9.4
Zn	0.1-70	2.6	1.5	1.7	5	5.1	8.4
Cu	0.3-8.0	0.2	0.0	0.8	0.8	0.8	0.8
Fe	1.0-40	33.5	15.0	87.2	4.2	2.9	2.5
S	1.0-40	23.3	23.9	9.1	25.4	25.6	48.6
CEC (Meq/100g)		16	13.4	17.6	18.5	20.6	27.9
% BASE SAT							
K		11	13.6	6.4	5.3	3.9	4.4
Mg		15.7	15.3	8.4	15.3	16.6	14.5
Ca		26.3	26.9	13.3	57.8	65.4	72.5
SOIL WEIGHT		2.79g/cc	3.1g/cc	3.49g/cc	3.73g/cc	3.13g/cc	3.77g/cc

Given that targets for percent saturation's can have some flexibility, the following table lists some suggested saturation ranges that would likely be considered acceptable by most agronomists.

Soil CEC	% K	% Mg	
16-20	2 – 4	8 – 20	
21-25	2 – 4	8 – 20	
26-30	1.5 – 3	5 – 20	