Table 1

Plants with Mean CEC, Soil pH, Plant No and other Statistical details

Group	Plant No.	Name of the Plant	Mean CEC Mean	Group Mean CEC	Group SD	Hypothet i-cal Mean	t - value	P-value	CEC CEC	Average Sample Soil pH
1	P1	*Perotis indica* (L.)	2.68	2.68	0.078	2.75	-2.37	0.06	2.75	5.3
	P2	*Brachiaria mutica* (Forssk.)Stapf	5.2						4.75	
	P3	*Heteropogon contortus* (L.)P.Beauv.Ex Roem.& Schult	4.59						4.75	
2	P4	*Panicum maximum* Jacq	4.91	4.73	0.38281	4.75	-0.27	0.79	4.75	5.66
	P5	*Pennisetum polystachyon* (L.)Schult	4.69						4.75	
	P6	*Setarea paniculifera* (Steud.)Fourn.ex Hamsl	4.96						4.75	
	P7	*Eragrostis tenella* (L.)P.Beauv.Ex Roem.& Schult	5.41						5.50	
	P8	*Alloteropsis cimicina* (L.) Stapf	5.03						5.50	
3	P9	*Panicum repens* L.	5.10	5.56	0.660257	5.50	0.66	0.51	5.50	5.72
	P10	*Pennisetum pedicellatum*	5.55						5.50	
	P11	*Apluda mutica* L.	6.03						5.50	
	P12	*Sporobolus diander* (L.)	6.27						5.50	
	P13	*Dactylotenium aegyptium* (L.)P.Beauv	6.51						6.75	
	P14	*Axonopus compressus* (Sw.)P.Beauv	6.53						6.75	
4	P15	*Ischaemum indicum* (Houtt.)Merr.	6.62	6.76	0.345021	6.75	0.17	0.87	6.75	5.75
	P16	*Digitaria ciliaris* (Retz.)Koeler	6.74						6.75	
	P17	*Setarea intermedia* Roem.&Schult	6.86						6.75	
	P18	*Aristida setaceae* L.	6.87						6.75	
	P19	*Chrysopogon aciculatus* (Retz.)Trin	7.18						7.50	
	P20	*Leersia hexandra* Sw.	7.40						7.50	
5	P21	*Cynadon dactylon* (L.)Pers.	7.53	7.54	0.388299	7.50	0.590	0.56	7.50	5.66
	P22	*Saccharum spontenium* L.	7.64						7.50	
	P23	*Eragrostis viscose* (Retz.)Trin	7.94						7.50	
	P24	*Eleusine indica* (L.)Gaertn.	8.08						9.00	
6	P25	*Chloris barbeta* Sw.	9.10	9.06	0.985172	9.00	0.31	0.76	9.00	5.83
	P26	*Eragrostis unioloides* (Retz.)Nees ex Steud.	10.01						9.00	
	P27	*Oplesmenus burmannii* (Retz.)P.Beauv.	11.98						12.5	
7	P28	*Stenotapherum dimidiatum*(L.)Brongn.	12.33	12.63	0.856847	12.50	0.82	0.42	12.5	5.78
	P29	*Sacciolepis interrupta* (Willd.)Stapf	12.45						12.5	
	P30	*Cyrtococcum trigonum* (Retz.)A.Camus	13.74						12.5	