



Research Article

Estimating Impact of Salinity on Soil Water Potential Dynamics using a Novel Approach

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Supplementary Table 1: Soil total water potential data sheet.

Gravimetric Moisture Content (gm/gm)		0.05							
Total volume per each soil sample (cc)		650							
Volume of water applied per irrigation (ml)		150							
Molality of irrigation water (dS/m)		10							
Sample	Irrigation event	Label	Empty core weight (gm)	Core weight with soil(gm)	Soil weight (gm)	Amount of H2O (ml)	Total potential (Mpa)	T	pF
Loam	0	L1	24.43	34.79	10.36	0.52	-0.73	24.6	3.88
		L2	24.59	36.13	11.54	0.58	-0.8	24.8	3.92
		L3	25.41	37.34	11.93	0.60	-0.52	24.7	3.73
		Total Ave Potential Loam						-0.68	
Sand	0	S1	24.56	35.3	10.74	0.54	-0.07	24.8	2.87
		S2	24.92	35.71	10.79	0.54	-0.07	24.8	2.87
		S3	24.75	35.18	10.43	0.52	-0.1	25	3.02
		Total Ave Potential Sandy						-0.08	
Loam	1	L1	24.43	33.5	9.07	0.45	-5.06	24.4	4.72
		L2	24.59	35.27	10.68	0.53	-5.72	24.7	4.77
		L3	25.41	36.31	10.9	0.55	-5.48	24.3	4.75
		Total Ave Potential Loam						-5.42	
Sand	1	S1	24.56	34.05	9.49	0.47	-2.07	24.8	4.33
		S2	24.92	35.85	10.93	0.55	-1.4	24.7	4.16
		S3	24.75	33.16	8.41	0.42	-1.4	24.7	4.16
		Total Ave Potential Sandy						-1.62	

Loam	2	L1	24.43	31.48	7.05	0.35	-3.82	24.8	4.6
		L2	24.59	33.95	9.36	0.47	-2.39	24.5	4.39
		L3	25.41	35.66	10.25	0.51	-3.58	24.7	4.57
		Total Ave Potential Loam						-3.26	
Sand	2	S1	24.56	31.51	6.95	0.35	-2.56	24.8	4.42
		S2	24.92	31.94	7.02	0.35	-2.74	24.8	4.45
		S3	24.75	31.49	6.74	0.34	-2.56	24.8	4.42
		Total Ave Potential Sandy						-2.62	
Loam	3	L1	24.43	33.31	8.88	0.44	-3.94	24.8	4.65
		L2	24.59	34.12	9.53	0.48	-3.57	24.6	4.57
		L3	25.41	33.86	8.45	0.42	-3.57	24.6	4.57
		Total Ave Potential Loam						-3.69	
Sand	3	S1	24.56	31.43	6.87	0.34	-3.14	24.8	4.51
		S2	24.92	32.17	7.25	0.36	-3.14	24.8	4.51
		S3	24.75	31.39	6.64	0.33	-3.2	24.7	4.52
		Total Ave Potential Sandy						-3.16	
Loam	4	L1	24.43	32.2	7.77	0.39	-6	24.7	4.79
		L2	24.59	34.73	10.14	0.51	-6.82	24.4	4.85
		L3	25.41	35.12	9.71	0.49	-6.48	24.6	4.83
		Total Ave Potential Loam						-6.43	
Sand	4	S1	24.56	31.65	7.09	0.35	-4.21	24.8	4.64
		S2	24.92	33.56	8.64	0.43	-4.61	24.7	4.68
		S3	24.75	32.29	7.54	0.38	-4.21	24.8	4.64
		Total Ave Potential Sandy						-4.34	
Loam	5	L1	24.43	34.32	9.89	0.49	-7.21	23.6	4.87
		L2	24.59	36.46	11.87	0.59	-6.81	24.4	4.85
		L3	25.41	38.84	13.43	0.67	-8.09	24.6	4.92
		Total Ave Potential Loam						-7.37	
Sand	5	S1	24.56	33.7	9.14	0.46	-4.43	24.6	4.66
		S2	24.92	33.9	8.98	0.45	-4.94	24.8	4.71
		S3	24.75	33.8	9.05	0.45	-4.43	24.6	4.66
		Total Ave Potential Sandy						-4.6	
Loam	6	L1	24.43	33.16	8.73	0.44	-8.31	24.6	4.93
		L2	24.59	34.15	9.56	0.48	-10.76	24.3	5.05
		L3	25.41	34.31	8.9	0.45	-8.27	24.2	4.93
		Total Ave Potential Loam						-9.11	
Sand	6	S1	24.56	33.62	9.06	0.45	-4.71	24.30	4.69
		S2	24.92	33.44	8.52	0.43	-4.48	24.67	24.4
		S3	24.75	34.63	9.88	0.49	-4.48	24.67	24.4
		Total Ave Potential Sandy						-4.56	