

4. Listing of Soil Properties by Property for Soil Groups of the SIR

Table 19.1 Particle size distribution of soil groups - Horizon A

Soil Group	No. of Sampling Points	Particle Size Distribution**																				
		Clay (%)							Silt (%)							Sand (%)						
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75
1S*	8	1.5	0.6	0.3	2.2	1.2	1.6	2.0	14.5	7.5	5.8	23.7	6.4	16.3	20.5	84.0	8.0	74.4	93.9	77.5	81.9	92.3
1D*	70	12.3	8.5	3.1	44.4	7.4	10.0	12.2	37.8	7.9	19.5	54.0	32.3	38.5	43.6	49.9	10.9	21.3	76.6	43.5	48.6	56.9
2	112	13.7	6.0	4.3	38.6	9.7	11.9	16.5	35.0	7.4	19.5	63.4	30.7	34.2	37.5	51.3	10.2	23.2	74.7	46.4	53.3	57.5
3	86	19.8	8.9	7.2	46.2	14.0	17.5	23.1	35.6	8.3	17.2	65.0	30.2	34.9	39.9	44.6	11.7	16.7	65.1	37.3	46.0	53.8
4	34	20.6	11.3	4.2	47.9	12.5	20.9	25.5	39.0	5.9	28.5	54.5	35.8	39.5	42.1	40.4	10.8	8.3	57.7	34.3	42.8	47.6
5	16	32.5	13.3	16.2	62.7	23.1	29.9	35.6	30.6	4.9	22.9	40.3	27.0	30.2	32.5	36.9	12.3	10.9	56.6	26.8	39.6	46.5
6	22	29.1	13.7	16.1	70.8	21.0	24.8	33.0	34.6	6.9	21.5	50.9	31.9	33.2	38.9	36.3	12.6	7.6	56.5	30.2	39.7	45.3

Note: S* Sandy soils, D* Duplex soils; ** Particle size limit: clay < 2 µm, silt 2-50 µm, sand 50-2000 µm.

Table 19.2 Particle size distribution of soil groups - Horizon B1

Soil Group	No. of Sampling Points	Particle Size Distribution**																				
		Clay (%)							Silt (%)							Sand (%)						
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75
1S*	8	4.2	2.6	1.2	7.3	1.5	4.5	6.4	14.3	8.0	2.8	23.0	6.1	18.1	20.1	81.6	10.2	71.4	96.0	74.4	75.7	92.5
1D*	70	29.7	8.9	11.5	52.3	24.3	29.4	35.5	41.5	10.1	18.0	57.2	36.6	44.4	48.8	28.8	11.7	9.4	62.7	20.8	26.3	36.1
2	112	38.7	12.4	3.3	61.5	32.2	41.5	48.0	31.7	8.1	10.1	48.6	26.3	32.4	36.9	29.6	12.3	7.1	81.3	21.9	26.7	36.5
3	85	42.3	14.2	14.5	70.4	31.9	44.7	52.9	30.5	10.3	12.0	73.3	23.6	29.9	35.0	27.3	11.2	4.2	63.5	18.5	26.0	33.8
4	34	37.3	13.7	6.5	60.1	28.1	37.7	48.4	36.2	6.8	24.2	54.5	32.3	35.5	39.2	26.6	10.6	8.5	57.7	19.9	24.4	32.2
5	16	55.1	12.4	26.8	71.3	46.0	59.1	63.4	25.0	8.0	13.9	41.9	17.8	24.2	30.7	19.8	7.4	8.5	31.2	14.2	19.8	26.8
6	22	46.9	12.3	21.3	63.7	35.5	49.1	57.0	29.3	8.3	15.2	45.1	23.3	30.1	34.2	23.8	8.8	7.3	45.2	18.5	22.6	29.5

Note: S* Sandy soils, D* Duplex soils; ** Particle size limit: clay < 2 µm, silt 2-50 µm, sand 50-2000 µm.

Table 20.1 Soil depth, BD and OM of soil groups - Horizon A

Soil Group	Depth of Horizon A (mm)								Bulk Density (g/cm ³)								Organic Matter (%)							
	Sampling Points	Mean	Std.	Min.	Max.	Percentile			Sampling Points	Mean	Std.	Min.	Max.	Percentile			Sampling Points	Mean	Std.	Min.	Max.	Percentile		
						25	50	75						25	50	75						25	50	75
1S*									8	1.65	0.09	1.52	1.79	1.58	1.67	1.70	8	1.8	0.4	1.3	2.5	1.4	1.7	2.0
1D*	30	196	42	140	320	170	185	230	70	1.47	0.17	0.96	1.80	1.39	1.47	1.60	57	6.6	2.8	1.6	12.0	4.0	7.2	8.5
2	72	185	36	130	290	160	185	210	112	1.53	0.15	1.01	1.77	1.46	1.55	1.62	84	5.1	1.3	1.9	8.4	4.4	5.1	6.1
3	86	170	36	100	290	150	170	190	86	1.55	0.17	1.00	1.81	1.48	1.59	1.68	57	4.3	1.5	2.1	8.2	3.1	4.0	5.1
4	34	186	65	120	340	150	160	210	34	1.53	0.12	1.33	1.78	1.43	1.53	1.64	26	4.3	0.9	2.5	6.7	3.4	4.3	4.8
5	16	176	29	130	230	155	170	200	16	1.43	0.10	1.29	1.65	1.37	1.41	1.51	12	5.1	1.6	2.5	8.0	4.1	5.3	6.1
6	22	190	34	100	240	180	200	210	22	1.56	0.12	1.23	1.72	1.53	1.55	1.64	17	3.7	1.4	1.4	6.5	2.8	3.8	4.3

Note: S* Sandy soils, D* Duplex soils.

Table 20.2 Soil depth, BD and OM of soil groups - Horizon B1

Soil Group	Depth of Horizon B1 (mm)								Bulk Density (g/cm ³)								Organic Matter (%)							
	Sampling Points	Mean	Std.	Min.	Max.	Percentile			Sampling Points	Mean	Std.	Min.	Max.	Percentile			Sampling Points	Mean	Std.	Min.	Max.	Percentile		
						25	50	75						25	50	75						25	50	75
1S*	0								8	1.74	0.12	1.54	1.88	1.66	1.74	1.85	8	1.1	0.4	0.6	1.7	0.8	1.0	1.4
1D*	20	188	58	110	320	150	175	220	70	1.68	0.08	1.46	1.93	1.63	1.68	1.73	57	2.5	0.6	0.9	3.8	2.1	2.5	2.8
2	40	192	55	100	310	155	180	230	112	1.64	0.09	1.44	1.95	1.58	1.63	1.68	84	2.6	0.7	1.1	4.2	2.1	2.6	3.1
3	39	161	44	60	250	130	160	198	85	1.62	0.12	1.29	1.94	1.56	1.62	1.71	57	2.0	0.5	1.1	3.8	1.7	1.9	2.4
4	16	191	51	120	320	155	190	220	34	1.61	0.12	1.42	1.91	1.52	1.60	1.66	26	2.0	0.9	1.0	5.0	1.5	1.9	2.1
5	8	165	34	110	210	145	160	195	16	1.51	0.09	1.41	1.69	1.44	1.47	1.59	12	1.9	0.4	1.3	2.5	1.7	1.8	2.2
6	10	198	41	120	170	180	200	220	22	1.60	0.12	1.41	1.86	1.52	1.59	1.65	17	1.7	0.7	0.7	3.3	1.3	1.6	2.2

Note: S* Sandy soils, D* Duplex soils.

Table 21.1 Soil EC, pH (H₂O) and pH (CaCl₂) of soil groups - Horizon A

Soil Group	No. of Sampling Points	EC (dS/m)							pH (H ₂ O)						pH (CaCl ₂)							
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75
1S*	8	0.08	0.04	0.04	0.14	0.04	0.07	0.12	7.4	1.3	5.8	9.0	6.4	7.2	8.6	6.6	1.0	5.0	7.9	5.9	6.5	7.6
1D*	57	0.15	0.08	0.06	0.45	0.11	0.13	0.16	6.1	0.9	5.2	8.5	5.6	5.7	6.1	5.4	0.7	4.6	7.3	5.0	5.1	5.5
2	84	0.14	0.13	0.04	0.98	0.09	0.12	0.16	6.2	0.7	5.0	8.4	5.9	6.0	6.3	5.5	0.7	4.5	7.9	5.2	5.3	5.7
3	57	0.18	0.16	0.04	0.72	0.08	0.13	0.22	6.3	0.8	4.7	8.6	5.8	6.4	6.8	5.8	0.8	4.4	8.6	5.1	5.8	6.2
4	26	0.16	0.16	0.04	0.73	0.07	0.11	0.21	6.2	0.7	5.4	8.4	5.8	6.1	6.4	5.7	0.9	4.9	8.3	5.2	5.4	5.9
5	12	0.29	0.16	0.10	0.64	0.19	0.22	0.42	6.8	0.4	6.0	7.8	6.6	6.9	7.1	6.3	0.5	5.1	7.1	6.1	6.4	6.6
6	17	0.09	0.04	0.04	0.21	0.08	0.08	0.11	6.1	0.7	5.4	7.6	5.6	5.8	6.4	5.4	0.6	4.8	6.7	4.9	5.1	5.7

Note: S* Sandy soils, D* Duplex soils.

Table 21.2 Soil EC, pH (H₂O) and pH (CaCl₂) of soil groups - Horizon A

Soil Group	No. of Sampling Points	EC (dS/m)							pH (H ₂ O)						pH (CaCl ₂)							
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75
1S*	8	0.1	0.0	0.0	0.1	0.0	0.1	0.1	7.1	1.8	5.2	8.8	5.4	7.2	8.8	6.2	1.6	4.5	7.8	4.7	6.3	7.7
1D*	57	0.1	0.0	0.0	0.3	0.1	0.1	0.1	7.0	0.7	5.9	8.8	6.6	6.9	7.2	6.1	0.6	5.1	7.7	5.7	6.0	6.4
2	84	0.1	0.1	0.0	0.8	0.1	0.1	0.2	7.0	0.7	6.0	8.8	6.5	6.9	7.5	6.2	0.7	4.9	8.2	5.7	5.9	6.6
3	57	0.2	0.2	0.0	1.1	0.1	0.1	0.2	7.2	0.7	5.8	9.1	6.7	7.1	7.5	6.4	0.8	5.0	8.5	5.9	6.2	6.8
4	26	0.2	0.2	0.0	0.5	0.1	0.1	0.3	7.1	0.5	6.2	8.0	6.7	7.0	7.5	6.3	0.6	5.5	7.7	5.9	6.3	6.6
5	12	0.3	0.2	0.1	0.6	0.1	0.2	0.4	7.5	0.4	6.3	7.9	7.5	7.7	7.7	6.8	0.5	5.3	7.3	6.9	6.9	6.9
6	17	0.1	0.1	0.0	0.2	0.1	0.1	0.1	7.0	0.6	6.1	8.0	6.4	7.1	7.2	6.1	0.6	5.1	7.3	5.6	6.1	6.3

Note: S* Sandy soils, D* Duplex soils.

Table 22.1 Soil exchangeable cations of soil groups - Horizon A

Soil Group	No. of Sampling Points	Exchangeable Cations (meq/100 g)																											
		Ca							Mg							Na							K						
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75					25	50	75
1S*	8	2.9	1.4	1.0	4.7	1.9	3.0	4.1	1.5	1.2	0.2	2.9	0.3	1.4	2.6	0.4	0.4	0.0	0.8	0.1	0.4	0.7	0.5	0.2	0.2	0.7	0.3	0.5	0.7
1D*	57	6.3	1.8	2.0	11.0	4.9	6.7	7.6	3.7	1.0	0.4	5.6	3.3	3.9	4.4	0.7	0.5	0.1	3.4	0.4	0.5	0.7	0.7	0.4	0.1	2.1	0.3	0.6	0.9
2	84	5.8	1.6	3.2	12.0	4.7	5.7	6.2	3.4	1.3	0.9	9.1	2.8	3.4	3.9	0.9	0.6	0.1	4.4	0.5	0.8	1.0	0.5	0.5	0.1	2.2	0.2	0.3	0.4
3	57	6.0	2.7	3.1	18.0	4.0	5.4	7.3	3.8	2.1	0.9	8.7	2.1	3.1	5.3	0.8	0.8	0.1	4.6	0.3	0.6	1.1	0.6	0.4	0.1	1.6	0.3	0.4	0.9
4	26	5.9	2.1	3.1	13.0	4.6	5.6	6.5	3.1	1.5	0.6	6.5	2.0	3.0	4.2	0.7	1.0	0.1	4.2	0.2	0.3	0.8	0.7	0.4	0.2	1.4	0.4	0.6	0.9
5	12	9.7	2.5	5.9	15.0	7.8	9.5	11.5	7.0	1.3	5.0	10.0	6.4	6.9	7.6	1.3	0.6	0.5	2.4	0.8	1.4	1.8	1.0	0.3	0.4	1.4	0.9	1.0	1.3
6	17	5.9	2.9	3.8	16.0	4.3	5.2	6.2	3.4	2.2	1.0	8.6	1.8	3.2	4.0	0.5	0.3	0.1	1.5	0.4	0.5	0.6	0.6	0.7	0.2	2.9	0.2	0.4	0.7

Note: S* Sandy soils, D* Duplex soils.

Table 22.2 Soil exchangeable cations of soil groups - Horizon B1

Soil Group	No. of Sampling Points	Exchangeable Cations (meq/100 g)																											
		Ca							Mg							Na							K						
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75					25	50	75
1S*	8	1.9	1.1	0.7	3.8	0.9	2.0	2.5	1.1	0.9	0.1	2.2	0.2	1.0	1.9	0.3	0.2	0.0	0.6	0.1	0.3	0.5	0.5	0.3	0.1	0.8	0.2	0.5	0.7
1D*	57	5.8	2.0	2.0	10.0	4.5	6.2	7.2	3.8	1.4	0.5	6.5	3.0	4.0	4.6	0.7	0.4	0.1	2.3	0.5	0.7	0.9	0.5	0.3	0.1	1.5	0.3	0.4	0.6
2	84	5.8	2.3	2.0	17.0	4.4	5.6	6.8	4.3	1.7	1.1	8.7	3.0	4.2	5.4	1.3	0.9	0.2	5.6	0.8	1.1	1.5	0.6	0.5	0.1	2.8	0.3	0.4	0.7
3	57	5.8	2.7	1.9	18.0	4.2	5.4	6.8	5.6	2.5	1.5	10.0	3.5	5.0	7.6	1.3	1.0	0.2	4.8	0.6	1.1	1.8	0.7	0.4	0.1	1.4	0.4	0.7	1.0
4	26	6.4	2.9	2.6	17.0	4.2	6.3	7.4	5.0	2.7	1.4	13.0	3.5	4.6	5.9	1.2	1.1	0.2	4.0	0.5	0.8	1.4	0.6	0.3	0.2	1.4	0.4	0.5	0.8
5	12	8.8	2.6	3.4	14.0	7.5	9.1	9.7	8.9	3.0	3.7	13.0	6.4	9.8	11.5	2.4	1.4	0.7	4.3	1.1	2.3	3.7	1.4	0.7	0.2	2.6	0.9	1.4	1.9
6	17	6.3	3.1	2.8	15.0	3.2	6.5	7.5	6.0	3.2	1.3	11.0	3.2	5.0	9.8	1.0	0.7	0.2	2.6	0.5	1.0	1.2	0.7	0.5	0.2	2.2	0.4	0.5	1.0

Note: S* Sandy soils, D* Duplex soils.

Table 23.1 Soil ESP of soil groups - Horizon A

Soil Group	No. of Sampling Points	ESP (%)						
		Mean	Std.	Min.	Max.	Percentile		
						25	50	75
1S*	8	5.8	3.4	1.8	10.3	2.2	6.7	8.4
1D*	57	6.2	5.5	1.3	31.3	3.6	4.5	5.7
2	84	7.9	3.6	2.0	22.3	6.0	8.1	9.3
3	57	6.9	4.7	1.5	25.5	3.6	5.6	8.6
4	26	6.1	5.6	0.5	23.0	2.0	4.1	7.8
5	12	7.1	3.4	2.9	13.6	4.3	7.3	9.2
6	17	5.1	1.8	1.8	7.6	3.8	5.8	6.5

Note: S* Sandy soils, D* Duplex soils.

Table 23.2 Soil ESP of soil groups - Horizon B1

Soil Group	No. of Sampling Points	ESP (%)						
		Mean	Std.	Min.	Max.	Percentile		
						25	50	75
1S*	8	6.8	2.9	2.3	10.4	4.7	7.0	9.2
1D*	57	7.3	6.0	1.6	32.8	4.4	5.5	7.3
2	84	10.6	5.2	1.5	28.8	7.9	10.1	11.8
3	57	9.9	5.8	2.4	28.2	4.8	8.5	13.2
4	26	8.3	5.8	2.0	26.0	4.9	6.6	11.0
5	12	10.7	5.0	3.9	17.2	5.9	11.4	15.7
6	17	7.0	2.3	2.1	11.1	5.9	7.1	8.2

Note: S* Sandy soils, D* Duplex soils.

Table 24.1 Soil saturated hydraulic conductivity of soil groups - Horizon A

Soil Group	No of Sites	No of Sampling Points	Saturated Hydraulic Conductivity (mm/hr)						
			Avg.	Std.	Min.	Max.	Percentile		
							25	50	75
1S*	2	8	140.5	152.7	17.8	366.9	24.8	48.3	296.4
1D*	9	65	48.5	30.1	10.3	143.3	27.5	38.4	63.0
2	19	112	27.3	18.9	3.9	109.1	14.3	23.3	34.4
3	24	82	44.2	31.3	4.2	143.3	20.8	37.2	60.3
4	11	33	26.1	16.5	5	74.8	14.6	23.2	33.1
5	6	14	36.3	20.3	14.4	82.5	23.6	30.3	40.4
6	8	22	21.5	15.5	4	55.9	10.8	14.4	30.5

Note: S* Sandy soils, D* Duplex soils.

Table 24.2 Soil saturated hydraulic conductivity of soil groups - Horizon B1

Soil Group	Depth to Horizon B1 (mm)	No of Sampling Points	Saturated Hydraulic Conductivity (mm/hr)						
			Avg.	Std.	Min.	Max.	Percentile		
							25	50	75
1S*		8	36.5	31.5	6.1	83.2	12.8	21.6	66.8
1D*	188	28	11.7	17.2	0.7	91.2	2.7	7.3	13.9
2	185	63	3.6	3.9	0.1	18.3	0.8	2.1	5.3
3	170	80	5.7	6.5	0.1	43.3	2	3.7	7.4
4	186	29	3.2	5	0.4	27.4	1.1	1.4	3
5	176	12	2	1.5	0.4	5.7	0.8	1.7	2.5
6	190	17	1.3	1.1	0	3.8	0.4	1.1	2.4

Note: S* Sandy soils, D* Duplex soils.

Table 24.3 Soil saturated hydraulic conductivity of soil groups - Horizon B2

Soil Group	Depth to Horizon B2 (mm)	No of Sampling Points	Saturated Hydraulic Conductivity (mm/hr)						
			Avg.	Std.	Min.	Max.	Percentile		
							25	50	75
1D*	373	20	12.9	11.2	0.7	48.6	5.1	11.8	16.2
2	373	40	5.7	5.8	0.0	24.7	1.9	3.4	6.8
3	319	38	6.5	5.0	0.3	18.1	2.0	5.5	10.2
4	341	16	2.8	3.0	0.0	12.5	1.3	1.7	4.1
5	329	5	1.9	1.8	0.2	4.7	0.6	0.9	3.2
6	398	10	1.1	0.9	0.0	2.4	0.6	1.0	2.0

Note: D* Duplex soils.

Table 25 Soil final infiltration rate of Horizon B1 of soil groups

Soil Group	Depth to Horizon B1 (mm)	No of Sampling Points	Final Infiltration Rate (mm/hr)						
			Avg.	Std.	Min.	Max.	Percentile		
							25	50	75
1S*		8	129	169	8.52	420	13.9	28.6	258
1D*	188	56	5.85	9.12	0.005	36.2	0.2	1.3	7.59
2	185	78	0.88	2.06	0.005	10.86	0.07	0.14	0.74
3	170	55	1.97	3.99	0.005	25.92	0.29	0.66	1.43
4	186	25	0.53	0.61	0.005	1.98	0.1	0.29	0.81
5	176	12	0.36	0.42	0.024	1.2	0.05	0.14	0.49
6	190	16	0.19	0.24	0.003	0.73	0.02	0.06	0.38

Note: S* Sandy soils, D* Duplex soils.

Table 26.1 Soil water retention characteristic of soil groups - Horizon A

Soil Group	No. of Sampling Points	Volumetric Water Content (%)																											
		0 kPa							10 kPa							60 kPa							1500 kPa						
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75					25	50	75
1S*	4	39.0	6.6	19.4	35.1	35.4	38.5	42.7	23.6	5.4	26.2	16.8	19.8	24.4	27.3	17.5	4.9	37.5	10.7	12.4	17.5	22.5	7.2	3.4	13.6	4.0	4.2	6.5	10.2
1D*	14	40.2	7.0	18.9	34.8	36.2	39.5	43.1	33.1	6.8	37.0	26.1	28.9	32.7	35.7	27.9	6.6	44.4	22.5	23.6	25.7	29.4	15.7	5.0	19.3	7.6	13.5	16.3	17.0
2	36	43.3	6.8	33.5	66.0	38.9	41.8	46.5	38.4	6.1	29.3	53.3	34.6	37.1	41.6	34.1	5.9	25.7	51.2	30.6	33.4	36.0	23.7	5.8	13.6	38.8	19.4	23.3	27.4
3	37	43.9	6.0	34.4	61.5	38.3	43.7	47.2	37.2	6.2	26.4	50.5	32.3	36.0	42.7	33.2	5.9	22.9	46.0	29.0	32.3	38.8	23.9	5.3	14.1	33.3	19.7	24.2	27.8
4	16	42.6	5.7	35.2	52.2	38.0	40.8	47.9	38.5	5.4	29.0	46.6	35.0	37.5	43.5	34.7	5.5	24.6	43.4	31.7	34.1	38.8	26.5	5.6	17.9	35.8	21.6	27.6	29.7
5	8	48.4	4.3	43.8	53.8	44.7	47.0	53.1	44.6	2.7	41.5	48.7	42.4	43.8	47.0	42.3	2.8	39.5	47.0	40.0	41.5	44.6	34.4	3.7	28.3	38.2	31.1	35.7	37.6
6	16	45.5	8.4	35.2	67.8	38.9	44.8	48.3	40.1	5.3	31.8	51.6	35.1	41.2	42.5	36.9	5.4	29.6	49.0	32.1	36.9	39.9	29.8	5.1	23.9	43.0	26.0	28.4	33.3

Note: S* Sandy soils, D* Duplex soils.

Table 26.2 Soil water retention characteristic of soil groups - Horizon B1

Soil Group	No. of Sampling Points	Volumetric Water Content (%)																											
		0 kPa							10 kPa							60 kPa							1500 kPa						
		Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile			Mean	Std.	Min.	Max.	Percentile		
						25	50	75					25	50	75					25	50	75					25	50	75
1S*	4	36.2	4.8	30.7	42.0	32.7	36.0	39.7	20.7	6.3	12.2	26.3	16.1	22.1	25.3	15.4	6.8	7.7	23.3	10.0	15.3	20.8	6.5	3.1	3.2	10.1	4.0	6.3	9.0
1D*	14	37.4	4.6	30.6	45.4	32.3	38.3	41.5	32.4	5.8	23.8	39.7	26.1	34.5	37.4	28.0	5.7	20.1	36.0	23.3	27.4	33.9	19.6	6.8	7.8	29.6	12.8	21.7	24.3
2	36	45.1	4.9	35.0	55.3	41.8	45.5	48.7	41.8	5.4	28.6	50.7	39.7	42.2	45.4	38.4	5.5	25.3	47.3	35.7	38.9	41.6	29.3	5.2	17.9	37.8	26.0	29.5	33.5
3	42	43.8	6.8	32.3	60.5	40.0	43.1	48.6	38.8	6.8	25.8	51.2	34.8	39.2	45.3	35.1	7.0	22.2	47.4	30.0	34.5	40.6	26.9	6.3	13.8	39.0	22.4	27.8	30.8
4	16	47.5	6.0	38.9	58.6	42.5	47.4	51.0	43.3	5.7	33.0	52.1	38.1	44.1	47.8	39.7	6.3	25.7	48.7	35.0	41.0	44.1	29.6	6.8	13.8	38.5	26.5	30.2	34.7
5	8	51.2	8.0	36.7	61.5	48.5	49.5	57.5	46.0	6.2	32.5	52.3	45.0	46.5	50.0	44.0	6.4	29.8	50.4	43.1	44.9	47.9	33.7	5.3	22.4	38.8	31.6	35.2	37.3
6	16	49.5	8.9	38.1	65.7	42.4	45.7	58.6	44.3	6.9	34.2	53.8	39.5	42.1	51.6	41.0	7.0	28.2	50.6	36.7	39.5	47.8	31.7	6.2	17.6	41.6	29.4	30.4	37.7

Note: S* Sandy soils, D* Duplex soils.

Table 27.1 Available water capacity of soil groups - Horizon A

Soil Group	No. Sampling Points	Depth of Horizon A (mm)	AWC (% cm ³ /cm ³)						
			Mean	Std.	Min.	Max.	Percentile		
							25	50	75
1S*	4		16.4	2.5	12.8	18.5	14.9	17.1	17.9
1D*	14	196	17.4	6.5	8.7	31.1	12.6	15.8	19.6
2	36	185	14.6	4.3	5.3	22.8	11.9	13.9	18.4
3	37	170	13.3	4.1	3.7	22.1	11.2	13.2	15.1
4	16	186	12.1	4.3	4.2	22.0	9.5	11.3	14.1
5	8	176	10.2	4.1	6.0	18.9	7.3	9.4	11.6
6	16	190	10.3	3.7	5.5	16.3	7.2	9.3	13.9

Note: S* Sandy soils, D* Duplex soils.

Table 27.1 Available water capacity of soil groups - Horizon A

Soil Group	No. Sampling Points	Depth of Horizon A (mm)	AWC (% cm ³ /cm ³)						
			Mean	Std.	Min.	Max.	Percentile		
							25	50	75
1S*	4		16.4	2.5	12.8	18.5	14.9	17.1	17.9
1D*	14	196	17.4	6.5	8.7	31.1	12.6	15.8	19.6
2	36	185	14.6	4.3	5.3	22.8	11.9	13.9	18.4
3	37	170	13.3	4.1	3.7	22.1	11.2	13.2	15.1
4	16	186	12.1	4.3	4.2	22.0	9.5	11.3	14.1
5	8	176	10.2	4.1	6.0	18.9	7.3	9.4	11.6
6	16	190	10.3	3.7	5.5	16.3	7.2	9.3	13.9

Note: S* Sandy soils, D* Duplex soils.