

Calcisol: sample profile

Profile description:

Profile (TR 8, Turkey) described by S' Ardas



Horizon	Depth (cm)	Description
Ah1	0 - 3	greyish brown (2.5Y 5/2, moist), light grey (2.5Y 7/2, dry) loam; moderate very fine platy; non sticky, slightly plastic, soft; common roots; (HCl); abrupt smooth boundary to
Ah2	3 - 33	greyish brown (2.5Y 5/2, moist), light grey (2.5Y 7/2, dry) silty clay loam; moderate medium granular; slightly sticky, plastic, friable; few roots; (HCl); abrupt smooth boundary to
Bkc	33 - 55	pale yellow (5Y 6.5/3, moist), white (2.5Y 8/2, dry) silt loam; moderate coarse angular blocky; non sticky, plastic, friable; (HCl); clear smooth boundary to
Bk	55 - 83	greyish brown (2.5Y 5/2, moist), white (2.5Y 7.5/2, dry) silty clay loam; strong coarse angular blocky; sticky, plastic, friable, hard; (HCl); gradual smooth boundary to
C	83	light brownish grey (2.5Y 6/2, moist), white (2.5Y 7.5/2, dry) silty clay loam; moderate coarse angular blocky; sticky, plastic, friable; few roots; (HCl);



Analytical data:

Horizon	Depth (cm)	Tot. sand (%)	Tot. silt (%)	Tot. clay (%)
Ah1	0 - 3	10	33	56
Ah2	3 - 33	9	27	64
Bkc	33 - 55	6	25	69
Bk	55 - 83	4	32	63
C	83 - 110	6	32	61

Horizon	pH H ₂ O	pH KCl	CaCO ₃ (%)	Org. matter		EC2.5 (dS/m)
				C (%)	N (%)	
Ah1	8.0	7.3	50.4	1.1	0.13	0.27
Ah2	8.2	7.4	55.9	0.8	0.11	0.26
Bkc	8.5	7.9	64.3	0.6	0.07	0.87
Bk	8.5	8.0	68.4	0.3	0.05	1.79
C	8.1	7.7	60.8	0.2	0.04	4.20

Futher information:

WRB classification: Hypercalcic Calcisol

Diagnostic criteria: Ochric, cambic, calcic horizon

Location: Centr. Anatolia, Konya Basin, 16 km W of Karapinar

Parent material: Lacustrine sediments

Vegetation: Steppe vegetation

