

Soil type	Horizon	<i>n</i>	mg fraction g ⁻¹ soil	mg fraction lost g ⁻¹ soil	mg OC g ⁻¹ fraction	C : N	mg MobC g ⁻¹ fraction	% MobC of total OC	% OC of total OC	mg sugar g ⁻¹ fraction	mg sugar g ⁻¹ OC		
			Light fraction (LF)										
Kastanozem	Ah	3	5.3 (0.6)	0.0 (0.0)	119.6 (3.4)	14.6 (0.4)	17.6 (1.5) [2]	1.50 (0.05) [2]	7.30 (0.59)	46.5 (5.0)	409.6 (38.2)		
	AC	3	1.4 (0.1)	0.0 (0.0)	151.4 (7.0)	14.2 (0.3)	33.3 (7.4) [2]	1.25 (0.06) [2]	4.54 (0.31)	n.d.	n.d.		
	Ck	2	0.9 (0.2)	0.0 (0.0)	218.6 (24.8)	13.8 (0.8)	75.9 (10.6)	3.38 (0.89)	8.29 (2.42)	n.d.	n.d.		
Non-sodic Solonchak	Az	4	3.1 (1.1)	0.0 (0.0)	196.9 (30.8)	16.7 (1.8)	34.8 (5.3) [2]	0.71 (0.13) [2]	3.62 (0.50)	46.1 – [1]	328.4 – [1]		
	B	4	0.9 (0.1)	0.0 (0.0)	261.4 (14.2)	17.2 (1.0)	161.0 (13.0) [2]	1.64 (0.28) [2]	5.51 (1.08)	n.d.	n.d.		
	C	3	0.3 (0.1)	0.0 (0.0)	279.2 (37.5)	16.0 (1.1)	236.4 (84.2) [2]	3.05 (0.52) [2]	7.26 (0.57)	n.d.	n.d.		
Sodic Solonchak	Az	3	4.5 (0.6)	0.0 (0.0)	265.1 (31.5)	13.1 (0.9)	46.7 (3.3) [2]	0.67 (0.18) [2]	6.91 (2.77)	104.6 (27.2)	379.1 (65.2)		
	ACz	3	1.1 (0.3)	0.0 (0.0)	246.5 (26.9)	13.8 (1.0)	130.3 (37.7) [2]	0.79 (0.20) [2]	4.18 (2.09)	n.d.	n.d.		
	C	2	0.4 (0.1)	0.0 (0.0)	246.9 (22.4)	14.7 (1.5)	258.3 (62.7)	1.93 (0.12)	4.96 (0.06)	n.d.	n.d.		
			Heavy fraction (HF)										
Kastanozem	Ah	3	994.7 (0.6)	7.7 (3.2)	7.7 (0.3)	9.1 (0.2)	1.5 (0.1) [2]	15.56 (0.51) [2]	92.70 (0.59)	1.0 (0.2)	135.6 (22.1)		
	AC	3	998.6 (0.1)	28.7 (1.5)	4.4 (0.3)	7.5 (0.1)	2.0 (0.4) [2]	29.41 (1.36) [2]	95.46 (0.31)	0.7 (0.1)	150.7 (15.7)		
	Ck	2	999.2 (0.2)	8.8 (6.4)	2.1 (1.1)	6.6 (0.7)	1.7 (0.1)	45.71 (12.02)	91.71 (2.42)	0.5 – [1]	171.0 – [1]		
Non-sodic Solonchak	Az	4	996.9 (1.1)	85.8 (19.8)	18.3 (2.7)	9.8 (0.1)	0.7 (0.1) [2]	3.72 (0.63) [2]	96.38 (0.50)	3.1 (0.6)	169.3 (27.5)		
	B	4	999.1 (0.1)	64.7 (5.6)	4.7 (0.8)	8.2 (0.4)	0.2 (0.1) [2]	5.84 (1.04) [2]	94.49 (1.08)	1.0 (0.4)	171.8 (33.8)		
	C	4	999.7 (0.1)	60.7 (6.3)	2.0 (0.4)	7.0 (0.3)	0.2 (0.1) [2]	9.43 (1.60) [2]	92.74 (0.57) [3]	0.2 – [1]	136.4 – [1]		
Sodic Solonchak	Az	3	995.5 (0.6)	76.4 (14.0)	19.3 (5.0)	8.4 (1.7)	0.5 (0.3) [2]	3.35 (0.95) [2]	93.09 (2.77)	5.7 (0.8)	322.0 (60.8)		
	ACz	3	998.9 (0.3)	53.9 (10.0)	10.6 (2.7)	10.1 (0.1)	0.1 (0.1) [2]	2.89 (0.63) [2]	95.82 (2.09)	2.6 (0.6)	244.8 (3.5)		
	C	2	999.6 (0.1)	45.8 (4.1)	3.1 (0.8)	9.2 (0.1)	0.1 (0.1)	5.75 (0.38)	95.04 (0.06)	n.d.	n.d.		
	Cl	1	997.2 –	66.6 –	1.6 –	7.9 –	0.2 –	n.d.	n.d.	0.3 –	164.8 –		