

| Soil type | Horizon | <i>n</i> | Depth | | BD | | Moisture | | pH _{H₂O, 1:2.5} | | EC _{1:5} | | SAR _{1:5} | | CaCO ₃ | | Aggstab | | Clay | | Silt | | Sand | | Fe _o | | Fe _d | | Fe _o : Fe _d | |
|---------------------|---------|----------|-------|--------|--------------------|-----------------|----------|---------------------|-------------------------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------|------|------|------|------|------|-------|-----------------|--------|-----------------|-------|-----------------------------------|--------|
| | | | cm | | g cm ⁻³ | % of dry weight | - | μS cm ⁻¹ | - | mg g ⁻¹ | Δ MWD (mm) | mg g ⁻¹ | mg g ⁻¹ | mg g ⁻¹ | mg g ⁻¹ | mg g ⁻¹ | mg g ⁻¹ | - | | | | | | | | | | | | |
| Kastanozem | Ah | 3 | 23.3 | (1.5) | 1.47 | (0.07) | 3.6 | (0.3) | 7.1 | (0.1) | 27 | (3) | 0.4 | (0.1) | 0 | (0) | 0.41 | (0.06) | 127 | (7) | 230 | (20) | 643 | (24) | 0.21 | (0.20) | 4.9 | (0.1) | 0.04 | (0.04) |
| | AC | 3 | 48.3 | (2.8) | 1.52 | (0.07) | 4.5 | (0.2) | 8.0 | (0.2) | 26 | (1) | 0.4 | (0.0) | 0 | (0) | n.d. | | 170 | (8) | 219 | (33) | 611 | (35) | 0.16 | (0.16) | 4.9 | (0.2) | 0.03 | (0.03) |
| | Ck | 3 | 114.7 | (8.0) | 1.60 | (0.07) | 3.6 | (0.3) | 8.8 | (0.1) | 152 | (35) | 0.9 | (0.5) | 51 | (12) | n.d. | | 95 | (13) | 121 | (22) | 784 | (35) | 0.04 | (0.04) | 3.0 | (0.2) | 0.01 | (0.01) |
| | C | 2 | 175.0 | (15.0) | 1.70 | (0.05) | 4.3 | (0.4) | 9.0 | (0.1) | 236 | (101) | 1.7 | (0.3) | 29 | (1) | n.d. | | 91 | (5) | 125 | (22) | 784 | (27) | 0.07 | (0.07) | 2.9 | (0.4) | 0.03 | (0.03) |
| Non-sodic Solonchak | Az | 4 | 27.3 | (7.1) | 1.44 | (0.06) | 20.5 | (1.9) | 8.5 | (0.2) | 3416 | (1053) | 9.6 | (2.2) | 53 | (16) | 1.02 | (0.29) | 174 | (14) | 330 | (17) | 497 | (26) | 0.31 | (0.04) | 2.8 | (0.7) | 0.13 | (0.02) |
| | B | 4 | 62.0 | (6.4) | 1.58 | (0.02) | 17.8 | (1.4) | 8.8 | (0.1) | 1378 | (372) | 7.0 | (0.3) | 102 | (28) | n.d. | | 207 | (12) | 313 | (21) | 481 | (32) | 0.14 | (0.07) | 3.7 | (0.5) | 0.03 | (0.01) |
| | C | 4 | 107.3 | (6.1) | 1.78 | (0.03) | 14.9 | (1.7) | 8.8 | (0.1) | 1016 | (343) | 5.3 | (0.9) | 152 | (34) | n.d. | | 203 | (32) | 320 | (56) | 477 | (87) | 0.07 | (0.03) | 3.7 | (0.3) | 0.02 | (0.01) |
| | Cl | 4 | 175.0 | (8.7) | 1.76 | (0.03) | 16.5 | (0.6) | 8.7 | (0.1) | 796 | (333) | 3.9 | (1.0) | 82 | (26) | n.d. | | 157 | (34) | 250 | (81) | 593 | (114) | 0.24 | (0.08) | 3.9 | (0.4) | 0.06 | (0.02) |
| Sodic Solonchak | Az | 3 | 22.0 | (1.5) | 1.23 | (0.04) | 30.6 | (4.1) | 8.7 | (0.1) | 5350 | (1476) | 36.0 | (10.4) | 207 | (22) | 0.33 | (0.03) | 192 | (55) | 308 | (81) | 500 | (64) | 0.02 | (0.01) | 1.0 | (0.3) | 0.02 | (0.01) |
| | ACz | 3 | 50.0 | (6.1) | 1.29 | (0.06) | 29.2 | (3.0) | 8.8 | (0.0) | 3880 | (1590) | 23.8 | (8.7) | 264 | (22) | n.d. | | 230 | (41) | 307 | (45) | 464 | (47) | 0.01 | (0.00) | 0.9 | (0.5) | 0.02 | (0.01) |
| | C | 2 | 94.5 | (10.5) | 1.65 | (0.11) | 20.0 | (4.4) | 9.0 | (0.1) | 911 | (639) | 11.7 | (9.7) | 213 | (17) | n.d. | | 190 | (34) | 308 | (47) | 502 | (81) | 0.03 | (0.01) | 2.6 | (0.3) | 0.01 | (0.00) |
| | Cl | 3 | 140.7 | (5.2) | 1.78 | (0.01) | 16.4 | (0.9) | 8.9 | (0.0) | 1093 | (702) | 8.0 | (4.6) | 115 | (49) | n.d. | | 166 | (22) | 250 | (43) | 584 | (60) | 0.32 | (0.14) | 3.3 | (0.2) | 0.10 | (0.05) |