**Table 2** Effects of seed source (SS), soil moisture (SM) and their interaction on *S. krylovii* traits.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Traits | Seed source of region (SS) | Soil moisture treatment (SM) | | | Mean ± SE | Results of two-way ANOVA | | |
| Control | Light drought | Heavy drought | SS | SM | SS × SM |
| Number of tillers | The eastern region | 21.181±1.132 | 17.389±1.035 | 13.889±1.217 | 17.486±0.680a | F=6.017  P=0.002 | F=22.936  P<0.001 | F=0.623  P=0.659 |
| The middle region | 19.111±1.111 | 17.486±1.167 | 12.278±1.046 | 16.292±0.667ab |
| The western region | 16.042±1.389 | 15.389±1.196 | 11.167±1.189 | 14.199±0.740b |
| Mean ± SE | 18.778±0.714α | 16.755±0.655β | 12.444±0.667γ |  |
| Plant height | The eastern region | 25.281±0.550 | 24.560±0.878 | 17.611±1.081 | 22.484±0.550a | F=8.609  P<0.001 | F=44.316  P<0.001 | F=0.424 P=0.792 |
| The middle region | 23.885±0.767 | 23.249±0.919 | 18.144±1.050 | 21.760±0.556a |
| The western region | 22.253±1.253 | 21.095±1.179 | 14.273±1.248 | 19.207±0.745b |
| Mean ± SE | 23.813±0.525α | 22.977±0.582α | 16.687±0.659β |  |
| Aboveground biomass | The eastern region | 0.646±0.049 | 0.641±0.049 | 0.386±0.045 | 0.558±0.028a | F=4.345 P=0.013 | F=27.800  P<0.001 | F=0.344 P=0.848 |
| The middle region | 0.528±0.044 | 0.562±0.048 | 0.294±0.027 | 0.461±0.025ab |
| The western region | 0.573±0.057 | 0.500±0.052 | 0.299±0.050 | 0.458±0.032b |
| Mean ± SE | 0.582±0.029α | 0.568±0.029α | 0.327±0.024β |  |
| Belowground biomass | The eastern region | 0.760±0.069 | 0.594±0.067 | 0.334±0.038 | 0.563±0.037a | F=3.992 P=0.019 | F=52.003  P<0.001 | F=0.313 P=0.869 |
| The middle region | 0.788±0.073 | 0.579±0.055 | 0.256±0.030 | 0.541±0.036ab |
| The western region | 0.630±0.072 | 0.503±0.056 | 0.187±0.029 | 0.440±0.035b |
| Mean ± SE | 0.726±0.041α | 0.559±0.034β | 0.259±0.019γ |  |
| Net photosynthetic rate, Pn | The eastern region | 9.071±1.255bα | 6.973±1.001bαβ | 5.092±0.665bβ | 7.045±0.626b | F=21.531  P<0.001 | F=33.778 P<0.001 | F=12.329 P<0.001 |
| The middle region | 9.854±0.795bα | 12.157±0.860bα | 2.516±0.474cβ | 8.176±0.806b |
| The western region | 18.789±1.622aα | 8.545±1.169aβ | 9.465±0.919aβ | 12.266±1.058a |
| Mean ± SE | 12.571±1.031α | 9.225±0.679β | 5.691±0.627γ |  |
| Transpiration rate，  Tr | The eastern region | 0.00201±0.00038 | 0.00148±0.00018b | 0.00146±0.00021a | 0.00165±0.00016 | F=0.472 P=0.625 | F=15.925  P<0.001 | F=8.276 P<0.001 |
| The middle region | 0.00197±0.00019β | 0.00261±0.00020aα | 0.00039±0.00010bγ | 0.00165±0.00019 |
| The western region | 0.00319±0.00055α | 0.00108±0.00029bβ | 0.00129±0.00026aβ | 0.00185±0.00027 |
| Mean ± SE | 0.00239±0.00024α | 0.00172±0.00017β | 0.00105±0.00014γ |  |
| Stomatal conductance, Gs | The eastern region | 0.087±0.017b | 0.063±0.008b | 0.063±0.010a | 0.071±0.007 | F=0.303 P=0.740 | F=19.938 P<0.001 | F=10.422 P<0.001 |
| The middle region | 0.088±0.009bβ | 0.115±0.010aα | 0.016±0.004bγ | 0.073±0.008 |
| The western region | 0.175±0.026aα | 0.052±0.013bβ | 0.063±0.011aβ | 0.097±0.014 |
| Mean ± SE | 0.117±0.013α | 0.077±0.008β | 0.047±0.006γ |  |

Note: Under the same soil moisture treatment, the same lowercase letters indicate no significant difference between seed sources at *P* = 0.05 level; under the same seed source of region, the same Greek letters indicate no significant difference between soil moisture treatments at *P* = 0.05 level.