**Supplementary Material for**

**Differences in water consumption of wheat varieties are affected by root morphology characteristics and post-anthesis root senescence**

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**This file includes:**

Figure S1 and Table S1.



**Fig. S1** Precipitation during the wheat growing seasons in 2017­–2018 and 2018­–2019.

**Table S1** Soil bulk density and field capacity in the 0–200 cm soil layer before sowing in the experimental plots

|  |  |  |  |
| --- | --- | --- | --- |
| Soil layer | 2017­–2018 growing season |  | 2018­–2019 growing season |
|  | Soil bulk density | Field capacity |  | Soil bulk density | Field capacity |
| cm | (g cm-3) | (%) |  | (g cm-3) | (%) |
| 0–20 | 1.42 | 27.25 |  | 1.41 | 29.54  |
| 20–40 | 1.58 | 23.31 |  | 1.56 | 25.44  |
| 40–60 | 1.56 | 26.09 |  | 1.54 | 27.69  |
| 60–80 | 1.59 | 24.75 |  | 1.57 | 25.35  |
| 80–100 | 1.62 | 23.77 |  | 1.63 | 24.58  |
| 100–120 | 1.63 | 23.40 |  | 1.64 | 24.22  |
| 120–140 | 1.64 | 23.80  |  | 1.64 | 23.54  |
| 140–160 | 1.63 | 23.74  |  | 1.65 | 23.64  |
| 160–180 | 1.64 | 23.66  |  | 1.64 | 23.71  |
| 180–200 | 1.64 | 23.61  |  | 1.65 | 23.08  |