

Supplemental files

Table S1 Comparison of leaf and stem water use efficiency under different groundwater depth

	<i>Site</i>	WUE_{leaf}	WUE_{stem}
<i>H. ammodendron</i>	1	7.94 (1.26)	14.98 (2.53)
	2	3.96 (0.34)	13.07 (1.63)
<i>H. persicum</i>	1	5.11 (0.78)	7.91 (0.88)
	2	4.48 (0.45)	22.61 (4.93)

Site 1: shallow groundwater depth, *Site 2*: deeper groundwater depth. The value in parentheses was represented SE

(n=18).

Fig. S1

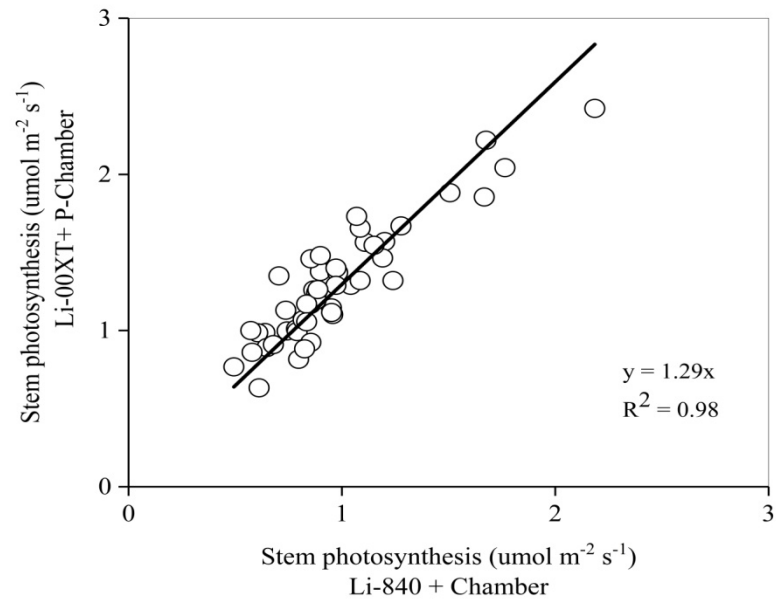


Fig. S1 Relationship of stem photosynthesis measured between Li-840 + Chamber and Li-6400XT + P-Chamber in 2020-2021 growing season

Fig. S2

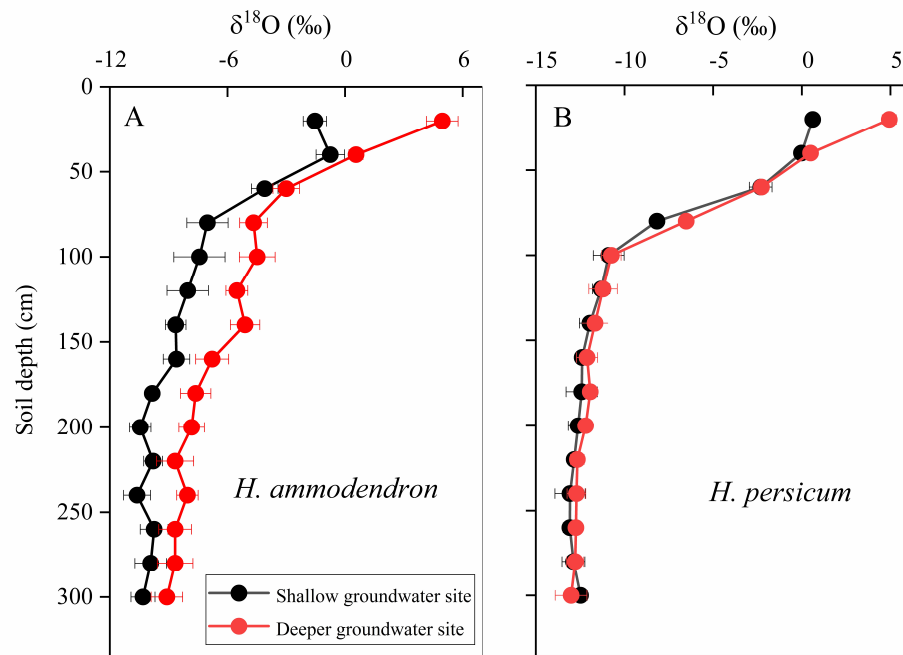


Fig. S2 The $\delta^{18}\text{O}$ values of soil water for *H. ammodendron* and *H. persicum* at two groundwater sites. Error bars represent the standard errors of the mean (n=3).