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Supplementary Material

Water uptake and redistribution during drought in a semiarid shrub species

Iván Prieto[A,C,D], *Francisco I. Pugnaire*[A] *and Ronald J. Ryel*[B]

[A]Estación Experimental de Zonas Áridas, Consejo Superior de Investigaciones Científicas, Carretera de Sacramento s/n, E-04120 La Cañada de San Urbano, Almería, Spain.

[B]Utah State University, Department of Wildland Resources, 5230 Old Main Hill, Logan, UT 84322, USA.

[C]Present address: 1919 Route de Mende, E34270, Montpellier Cedex 5, France.

[D]Corresponding author. Email: ivan.prieto@cefe.cnrs.fr

Table S1. Model selection for the relationship between treatment and time to plant predawn and midday water potentials (Ψ_{pd} , Ψ_m), stem isotopic composition (δD), soil water content (SWC) and deep soil water content (SWC_{deep})

The best predictive models showing the lowest AIC are given in bold. Model type: general linear mixed model. Corresponding figures: Figs. 1 and 3

		Ψ_{pd} (N=72)		Ψ_m (N=48)		δD (N=63)		SWC (N=720)		SWC_{deep} (N=400)
Model	**df**	**AIC**	**df**	**AIC**	**df**	**AIC**	**df**	**AIC**	**df**	**AIC**
(Intercept)	3	276.88	3	157.36	5	624.48	5	–5667.67	5	–4445.649
Treatment	4	264.15	4	147.34	6	602.97	6	–5686.30	6	**–4446.014**
Time	11	170.32	9	99.91	12	615.80	6	–5711.28	6	–4444.298
Time + Treatment	12	149.44	8	83.54	13	591.77	7	–5719.93	7	–4444.663
Time × Treatment	**20**	**49.45**	**14**	**31.86**	**20**	**473.64**	**8**	**–5734.32**	**8**	–4442.671

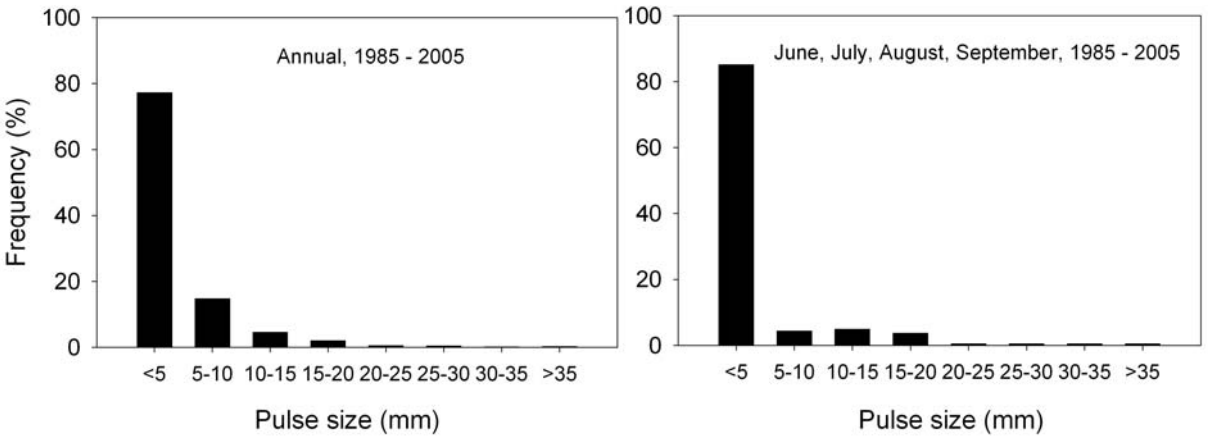

Fig. S1. Frequency of mean annual (left) and mean summer (right) rainfall for a 20-year period in Vernon (UT, USA, 40° 05′ N, 112° 27′ W, 1671.8 m elevation). Data were compiled from the Utah Climatic Center, located 30kms south of the study site. Source: http://climate.usurf.usu.edu/index.php.