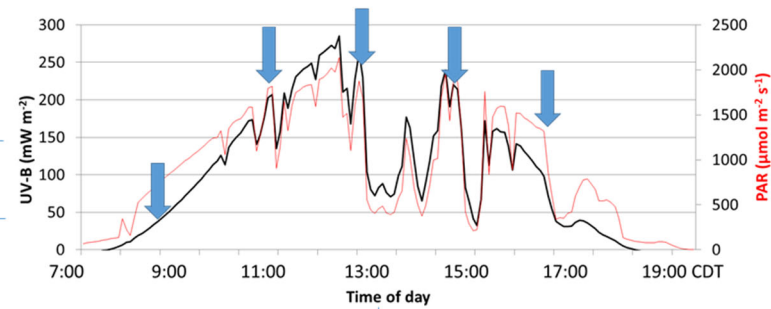


Experiment 1

+UV

-UV



Plant morphology

Flavonoid content optically
UV-shielding from extracts
Antioxidant activity from extracts
Soluble phenolics from extracts

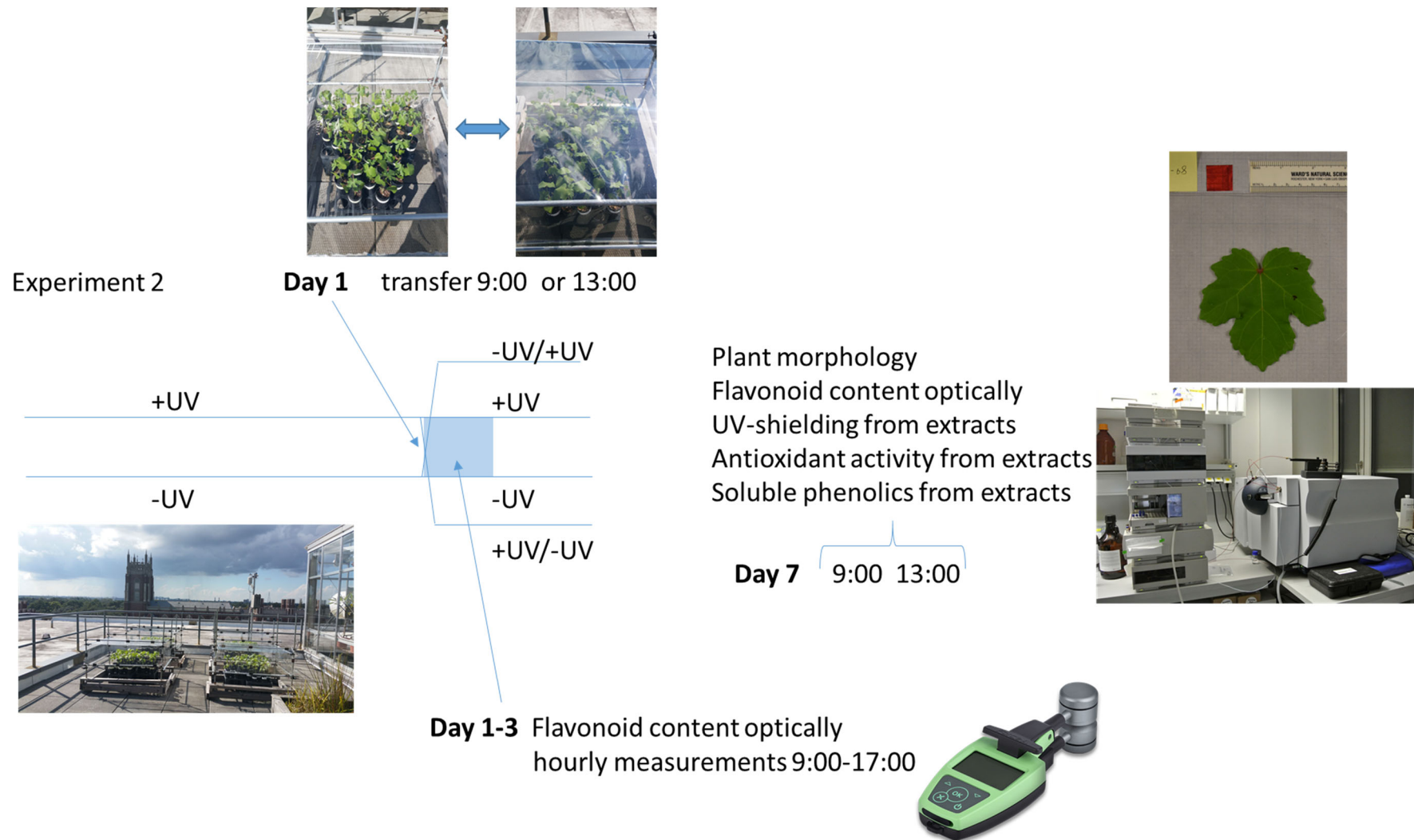


Fig S1: Experimental set up for experiment 1 (for studying the diurnal rhythm) and experiment 2 (for studying changes in the diurnal rhythm due to the transfer to the opposite UV condition).

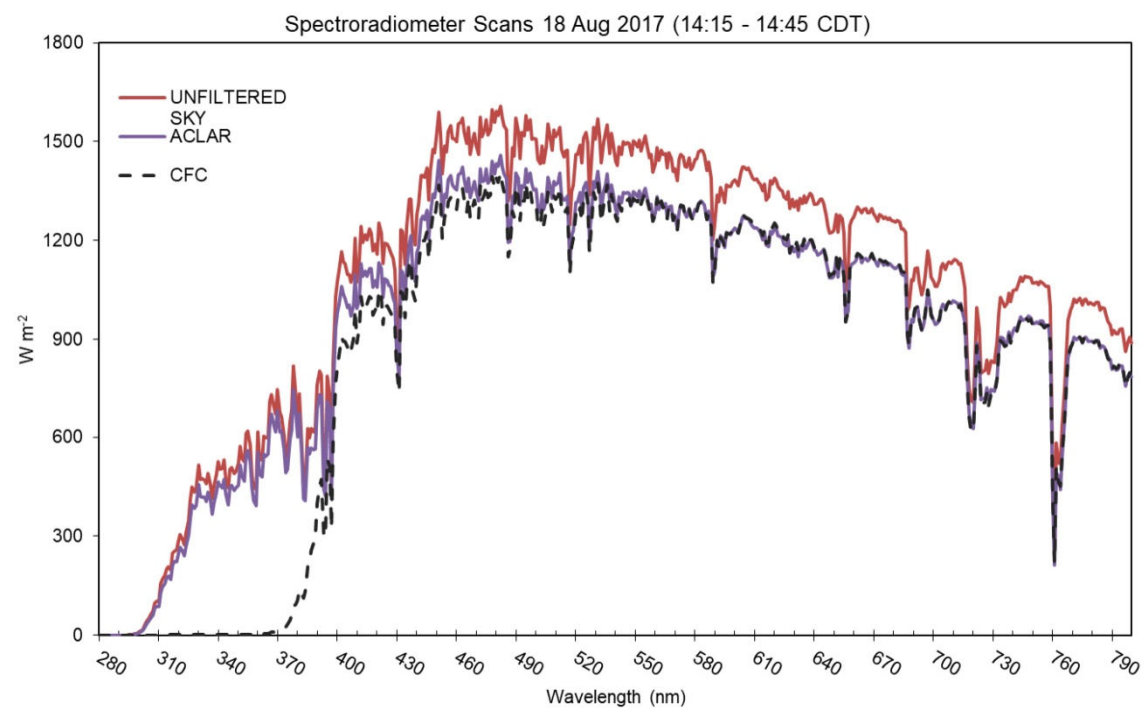


Figure S2. Representative clear-sky spectral irradiance for the +UV treatment (ACLAR film), -UV treatment (CFC) film and unfiltered solar radiation.



Fig S3: Environmental conditions during experiment 1 (left) and experiment 2 (right)