

Supporting Information

Article title: The impacts of dew-induced foliar shielding on the energy, water and isotope balance of leaves

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The following Supporting Information is available for this article:

Fig. S1: Interpolated maps showing the δD of the leaves analyzed in Experiment 1A.

Fig. S2: Interpolated maps showing the $\delta^{18}O$ of the leaves analyzed in Experiment 1A.

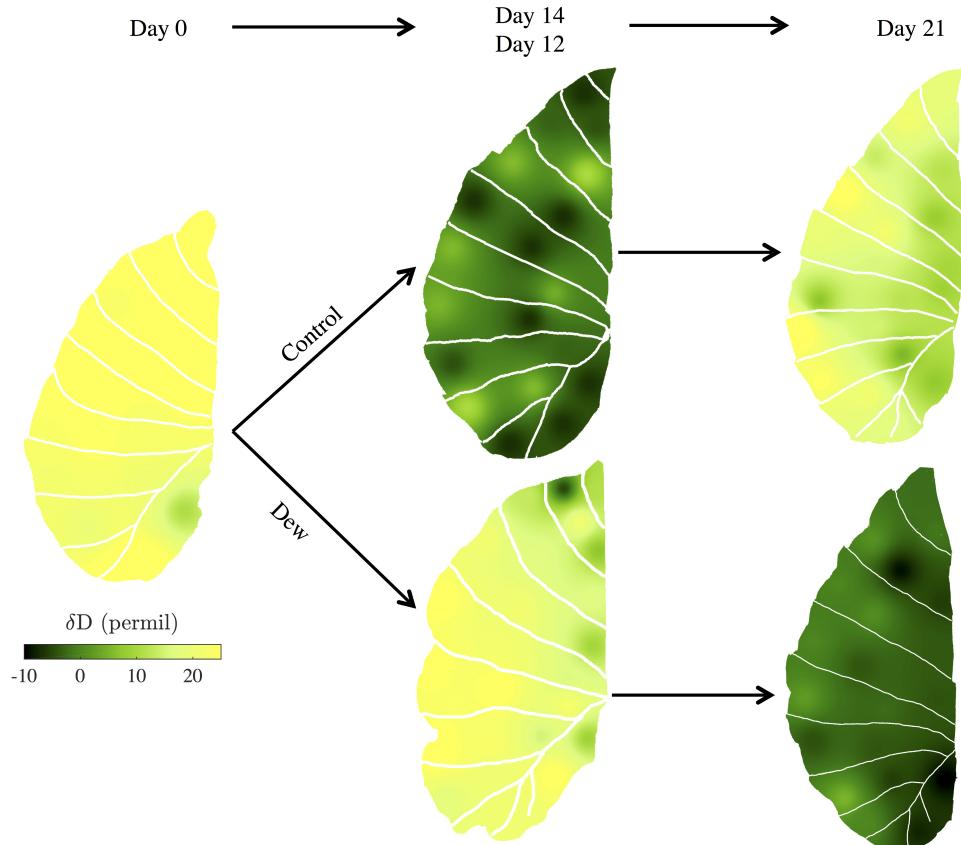


Figure S1: Maps of the spacial distribution of δD of five *Colocasia esculenta* leaves collected throughout Experiment 1A. The maps were obtained by inverse distance interpolation of 12 to 25 sampling points analyzed on the Picarro Induction Module. All leaves are c. 38 cm long. **Left:** initial leaf collected on day 0. **Top row:** leaves collected on day 14 (center) and 21 (far right) from the control. **Bottom row:** leaves collected on day 12 (center) and 21 (far right) from the sprayed treatment, where the leaves were sprayed with isotopically enriched water ($\delta^{18}O \approx 8.85\text{‰}$, $\delta D \approx 737.64\text{‰}$) every two days. The color scheme is the same for all rows.

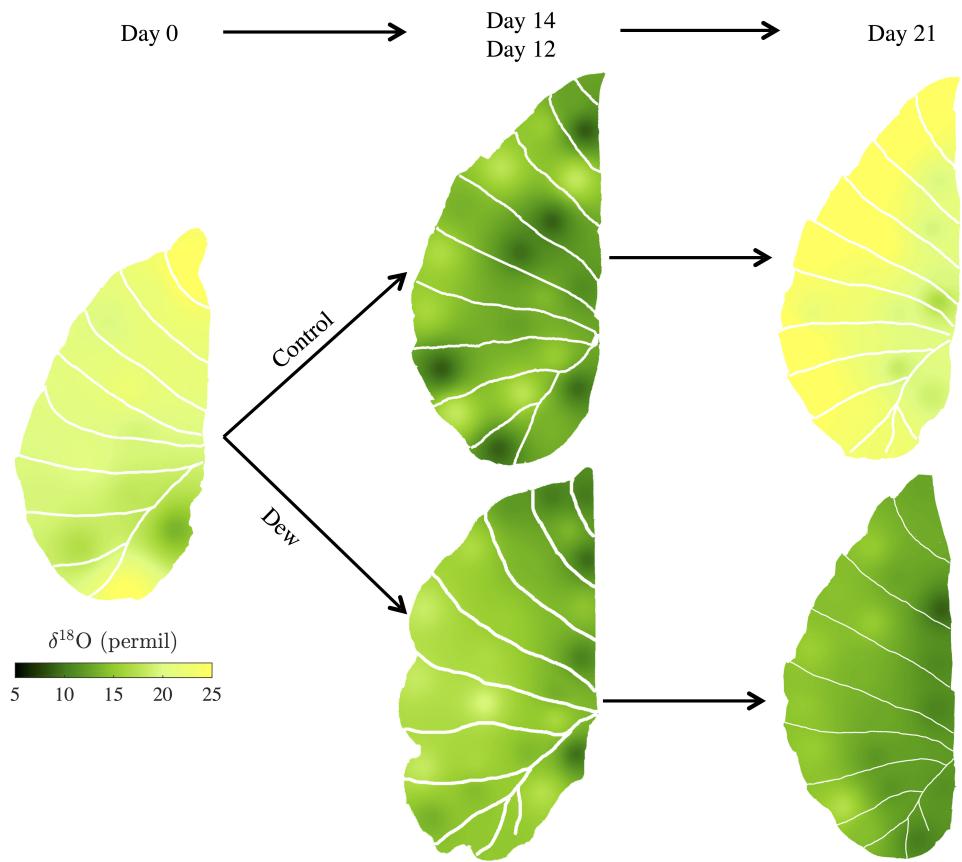


Figure S2: Maps of the spacial distribution of $\delta^{18}\text{O}$ of five *Colocasia esculenta* leaves collected throughout Experiment 1A. The maps were obtained by inverse distance interpolation of 12 to 25 sampling points analyzed on the Picarro Induction Module. All leaves are c. 38 cm long. **Left:** initial leaf collected on day 0. **Top row:** leaves collected on day 14 (center) and 21 (far right) from the control. **Bottom row:** leaves collected on day 12 (center) and 21 (far right) from the sprayed treatment, where the leaves were sprayed with isotopically enriched water ($\delta^{18}\text{O} \approx 8.85\text{\textperthousand}$, $\delta D \approx 737.64\text{\textperthousand}$) every two days. The color scheme is the same for all rows.