



Figure S1: Modelled leaf-to-air temperature difference depending on type of heat wave and stomatal conductance (g_s). Type of heat wave: high (A) or low (B) incident shortwave radiation (800 or 100 W m^{-2}), high or low relative humidity of the air ($\text{RH} = 0.90$ or 0.45), and calm or windy weather (wind speed 0.1 or 6 m s^{-1}). Air temperature was set to $40 \text{ }^{\circ}\text{C}$ in all simulations, and leaf width to 0.2 m .

5