

SUPPLEMENTARY DATA

FIG. S1. Light response curves for *Ruellia nudiflora* individuals acclimated to 50 % and 90 % of total ambient photosynthetic photon flux density (PPFD). Data are means \pm s.e. ($n = 10$). Light curves were built using an infrared gas analyser (LI-6400, LI-COR, Lincoln, NE, USA) equipped with a red/blue light source (6400-02B, LI-COR). CO₂ concentration in the cuvette was held at 380 $\mu\text{mol m}^{-2} \text{s}^{-1}$.

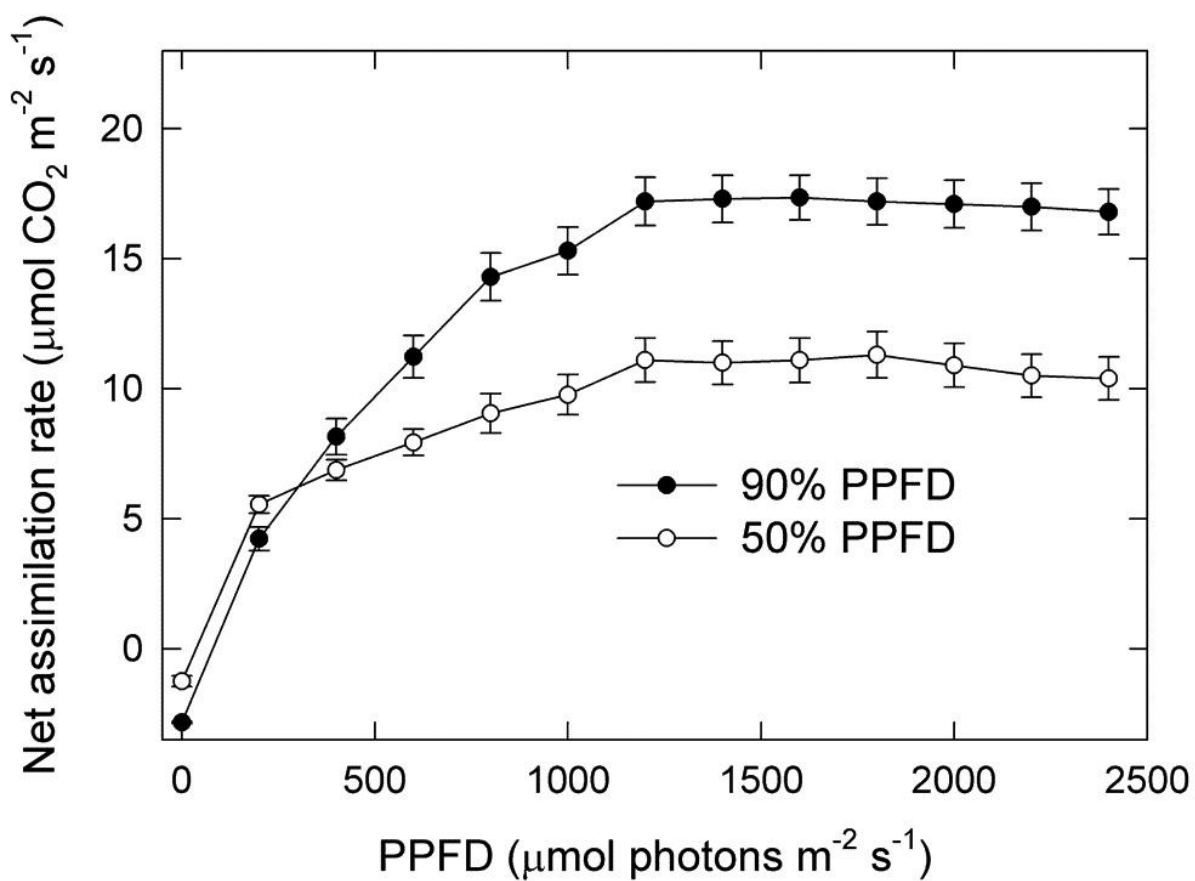


FIG. S2. Number of days of indicated average midday leaf water potential (ψ_L) during the length of field experimental conditions for watered and non-watered individuals of *Ruellia nudiflora*, as indicated. Midday leaf water potential for desiccating plants was extrapolated for watered and non-watered individuals of *R. nudiflora* under field experimental conditions (196 days). After watering or a precipitation event of at least 7 mm (J.C. Cervera, UADY, Mérida, México, unpubl. res.), ψ_L returned to -0.4 MPa and started decreasing following desiccation. Climatic data for the study area was obtained from Comisión Nacional del Agua.

