Oliveira MF, Marenco RA (2019).
Gas exchange, assimilate partitioning and water-use efficiency in response to elevated CO_2 and drought in crabwood (*Carapa surinamensis*, Meliaceae)
iForest – Biogeosciences and Forestry – doi: 10.3832/ifor2813-011

Supplementary Material

Tab. 1 - Means of data used in Figs. 1-4. Within rows, significant differences between mean values are indicated with different small letters within a CO_2 level and different capital letters within a water regime (Fisher LSD test at $p \leq 0.05$). Each value represents the mean (± SD) of five plants ($n = 5$). In the last four columns and within rows, significant differences between means of CO_2 levels over water regimes and between means of water regimes over CO_2 levels are indicated with different capital letters (Fisher LSD test at $p \leq 0.05$, n = 10). Abbreviations are indicated in the abbreviation's section.

Parameter	400 ppm		700 ppm		400 ppm	700 ppm	100% FC	50% FC
	100% FC(1)	50% FC(2)	100% FC(3)	50% FC(4)				
$A_{sat\text{-}mass}$ (nmol g^{-1} s^{-1})	123.9 ± 17.5^{Ba}	86.5 ± 14.9^{Bb}	159.0 ± 21.7^{Aa}	166.5 ± 21.9^{Aa}	105.2^{B}	162.7^{A}	141.4^{A}	126.5^{A}
$A_{max\text{-}mass}$ (nmol g^{-1} s^{-1})	282.6 ± 21.0^{Aa}	235.0 ± 30.7^{Ab}	206.3 ± 31.9^{Ba}	198.1 ± 23.5^{Aa}	258.8^{A}	202.2^{B}	244.5^{A}	216.6^{B}
$g_{sCO2\text{-}mass}$ (mmol g^{-1} s^{-1})	1.01 ± 0.20^{Aa}	0.58 ± 0.13^{Bb}	0.62 ± 0.10^{Ba}	0.68 ± 0.18^{Ba}	0.80^{A}	0.65^{B}	0.82^{A}	0.63^{A}
C_i/C_a (unitless)	0.646 ± 0.040^{Aa}	0.581 ± 0.031^{Bb}	0.586 ± 0.019^{Ba}	0.593 ± 0.036^{Ba}	0.614^{A}	0.590^{A}	0.616^{A}	0.587^{B}
CE_{mass} (mmol g^{-1} s^{-1} bar^{-1})	0.745 ± 0.052^{Aa}	0.636 ± 0.088^{Aa}	0.569 ± 0.056^{Ba}	0.581 ± 0.071^{Aa}	0.690^{A}	0.575^{B}	0.657^{A}	0.609^{A}
TNC (mg g^{-1})	169.4 ± 10.1^{Ba}	188.8 ± 16.2^{Ba}	230.0 ± 14.3^{Aa}	224.2 ± 43.5^{Aa}	179.1^{B}	227.1^{A}	199.7^{A}	206.5^{A}
RGR (g kg^{-1} day^{-1})	6.28 ± 1.1^{Ba}	3.75 ± 0.9^{Bb}	8.72 ± 1.5^{Aa}	6.38 ± 1.1^{Ab}	5.01^{B}	7.55^{A}	7.50^{A}	5.07^{B}
ΔW_T (g per plant)	107.0 ± 54.4^{Ba}	43.0 ± 11.0^{Bb}	174.1 ± 65.0^{Aa}	85.5 ± 11.0^{Ab}	75.0^{B}	129.8^{A}	140.5^{A}	64.2^{B}
CUW [kg(water) per plant]	39.7 ± 17.1^{Aa}	14.6 ± 2.8^{Ab}	22.7 ± 5.7^{Ba}	8.3 ± 1.7^{Bb}	27.2^{A}	15.5^{B}	31.2^{A}	11.5^{B}
WUE_P [g(DM) kg(water)$^{-1}$]	2.6 ± 0.3^{Ba}	2.9 ± 0.3^{Ba}	7.5 ± 1.1^{Ab}	10.5 ± 1.6^{Aa}	2.8^{B}	9.0^{A}	5.1^{B}	6.7^{A}
ΔW_L (g per plant)	44.2 ± 20.7^{Aa}	16.1 ± 3.9^{Ab}	49.4 ± 17.2^{Aa}	21.9 ± 5.4^{Ab}	30.2^{A}	35.7^{A}	46.8^{A}	19.0^{B}
ΔW_S (g per plant)	48.5 ± 23.3^{Ba}	20.5 ± 6.9^{Bb}	83.6 ± 35.9^{Aa}	42.8 ± 3.5^{Ab}	34.5^{B}	63.2^{A}	66.1^{A}	31.6^{B}
ΔW_R (g per plant)	14.2 ± 10.7^{Ba}	6.4 ± 2.4^{Ba}	41.0 ± 28.3^{Aa}	20.7 ± 3.6^{Aa}	10.3^{B}	30.9^{A}	27.6^{A}	13.6^{A}
SRR (unitless)	7.7 ± 2.3^{Aa}	6.0 ± 1.9^{Aa}	3.9 ± 1.4^{Ba}	3.2 ± 0.3^{Ba}	6.9^{A}	3.5^{B}	5.8^{A}	4.6^{A}