CORRECTION

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Responses of leaf respiration to temperature and leaf characteristics in three deciduous tree species vary with site water availability

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In the above paper, values for leaf nitrogen concentration were systematically overestimated. Corrected versions of Table 2 (N_{mass}, N_{area} and C:N values), Table 3 (R_N values) and Figure 2 (2b; N_{area} values) appear below. Corrections have been made to the online version of this paper at http://heronpublishing.com/tree/files/domain/data/vol21/21-571.pdf and a footnote added referencing this correction.

Table 2. Leaf characteristics for *Quercus rubra*, *Quercus prinus* and *Acer rubrum* trees from two sites of differing root zone water availability within a single watershed. Values shown are means (± SEM) where $n = 6–7$. Significance of treatment effect for species (Sp), site (Site) and the interaction between species and site (Sp × S) are indicated as the *P*-value or as nonsignificant (ns). Different letters within rows indicate statistically different values at $P < 0.05$ based on the least significant difference test of treatment means.

Characteristic	*Quercus rubra*		*Quercus prinus*		*Acer rubrum*		ANOVA
	Upper site	Lower site	Upper site	Lower site	Upper site	Lower site	
SLA ($m^2\ kg^{-1}$)	8.95 (0.27) a	10.54 (0.65) a	9.20 (0.34) a	9.88 (0.84) a	15.61 (0.53) b	14.09 (0.53) b	Sp $P < 0.001$ Site ns Sp × S ns
N_{mass} (mmol N g^{-1})	1.48 (0.04) b	1.37 (0.03) a	1.59 (0.09) c	1.55 (0.04) c	1.36 (0.05) a	1.36 (0.02) a	Sp $P < 0.001$ Site ns Sp × S ns
N_{area} (mmol N m^{-2})	166 (6.6) c	134 (8.4) b	174 (10.6) c	162 (11.0) c	87.1 (3.1) a	97.9 (4.6) a	Sp $P < 0.001$ Site ns Sp × S $P = 0.04$
C:N	27.4 (0.70) ab	29.6 (0.63) bc	25.8 (1.49) a	26.3 (0.78) a	30.1 (1.07) c	29.8 (0.60) c	Sp $P < 0.001$ Site ns Sp × S ns
Sugars (g m^{-2})	7.50 (0.44) d	4.62 (0.58) b	9.22 (0.85) e	6.05 (0.52) c	2.50 (0.15) a	3.05 (0.30) a	Sp $P < 0.001$ Site $P < 0.001$ Sp × S < 0.01
Starch (g m^{-2})	7.04 (0.71) d	6.33 (0.54) cd	7.27 (0.80) d	5.55 (1.11) bc	2.90 (0.21) a	4.20 (0.33) ab	Sp $P < 0.001$ Site ns Sp × S $P = 0.03$

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Table 3. Night respiration and photosynthetic capacity for leaves of *Quercus rubra*, *Quercus prinus* and *Acer rubrum* trees from two sites of differing water availability within a single watershed. Respiration rates are calculated from modeled responses (see Table 1) at the mean minimum nighttime temperature for each site during June (17.2 °C for the lower site and 18.1 °C for the upper site). Values shown are means (± SEM) where n = 6–7. Significance of treatment effect for species (Sp), site (Site) and the interaction between species and site (Sp × S) are indicated as the P-value or as nonsignificant (ns). Different letters within rows indicate statistically different values at $P < 0.05$ based on least significant difference test of treatment means.

Parameter	*Quercus rubra*		*Quercus prinus*		*Acer rubrum*		ANOVA
	Upper site	Lower site	Upper site	Lower site	Upper site	Lower site	
R_{area} (μmol CO_2 m^{-2} s^{-1})	1.08 (0.14) bc	0.82 (0.09) a	1.16 (0.08) c	0.95 (0.06) ab	0.95 (0.17) ab	0.88 (0.07) a	Sp ns Site $P < 0.01$ Sp × S ns
R_{mass} (μmol CO_2 kg^{-1} s^{-1})	9.88 (1.52) ab	8.62 (1.12) a	10.61 (0.51) ab	9.21 (0.59) ab	14.56 (2.32) c	12.46 (1.28) bc	Sp $P < 0.01$ Site ns Sp × S ns
R_N (μmol CO_2 mol^{-1} s^{-1})	6.66 (1.02) a	6.37 (0.99) a	6.73 (0.25) a	5.94 (0.38) a	10.9 (1.98) b	9.11 (0.88) b	Sp $P < 0.01$ Site ns Sp × S ns
A_{max} (μmol CO_2 m^{-2} s^{-1})	12.3 (0.56) cd	12.0 (0.47) cd	11.0 (1.1) bc	12.8 (1.74) d	7.78 (0.51) a	10.5 (0.35) b	Sp $P < 0.001$ Site $P < 0.001$ Sp × S $P < 0.001$

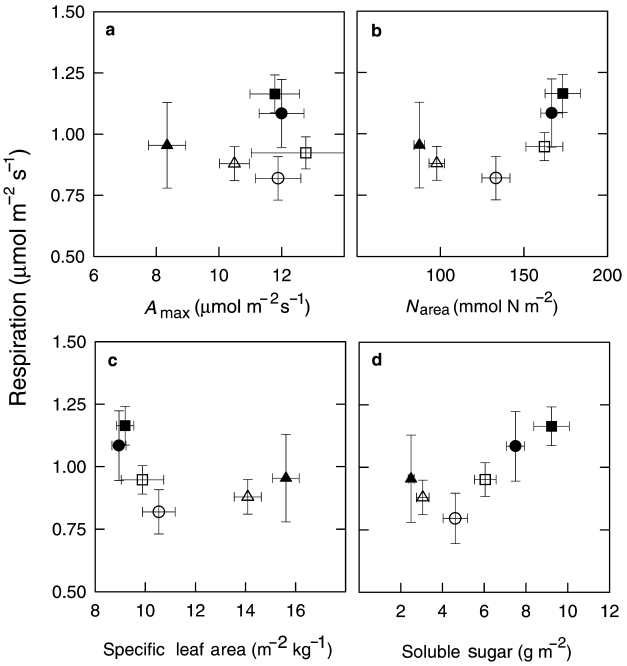

Figure 2. Relationships between night respiration and (a) maximum assimilation rate, A_{max} (b) leaf nitrogen concentration, N_{area}, (c) specific leaf area and (d) leaf soluble sugar concentration for leaves of *Quercus rubra* (●,○), *Quercus prinus* (■,□) and *Acer rubrum* (▲,△) from lower (open symbols) and upper (closed symbols) sites in a single watershed. Respiration rates are given for the mean minimum temperature at each site for the month during which measurements were made. Each value plotted is the mean (± SEM) of 6–8 determinations of each parameter. For statistical comparison of leaf characteristics and respiration parameters see Tables 2 and 3, respectively.

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