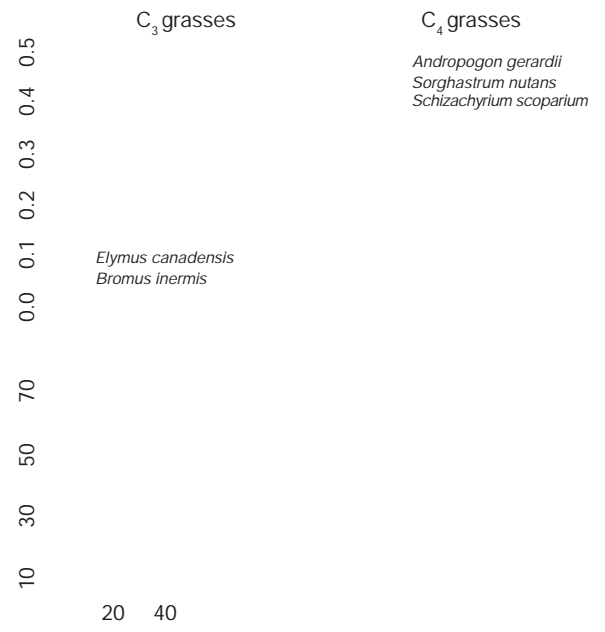first made on the basal section and then sequentially along the length of the blade toward the apex. Data from the Li-6400 was logged every 5 s until both A and g_{wv} were stable for >1 min (typically ~5–10 min of logged data). Data were imported into Matlab (Mathworks,. (,)-162.3Natick(,)-162.3MA(,)-162.3USA),e

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epidermis, and the horizontal distance (D_h) to the nearest stomatal pore (Fig. 1) then D_m was calculated as:

$$D_m = \sqrt{D_v^2 + D_h^2} \qquad (1)$$

C₃ grasses

C₄ grasses

0.5
0.4
0.3
0.2
0.1
0.0

Andropogon gerardii
Sorghastrum nutans
Schizachyrium scoparium

Elymus canadensis
Bromus inermis

70
50
30
10

20   40

Durand 2001). Martre & Durand (2001) showed K