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Supplementary Material

Dynamic response of plant chlorophyll fluorescence to light, water and nutrient availability

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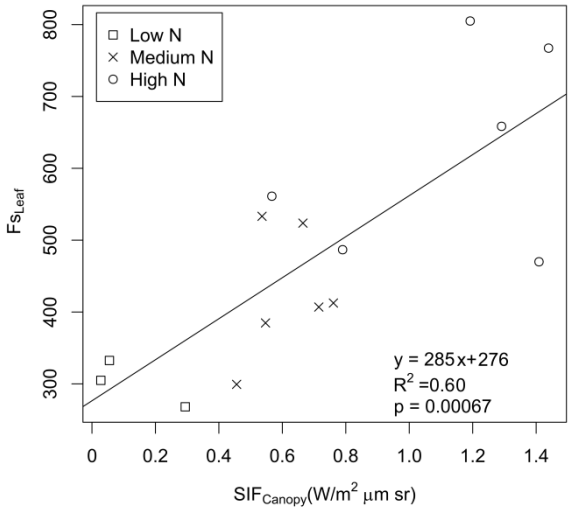

Fig. S1. Canopy and leaf scale relationship between active (leaf-level, $F_{s\,\mathrm{Leaf}}$) and passive (canopy-level, SIF_{Canopy}) measurements in wheat plants under low (square), medium (triangle), and high fertilization treatment (circle). For leaf level measurements each point represents the replicated leaves fluorescence mean (n=9). Black line represents regression line between active and passive techniques. Canopy measurements were taken with a field portable spectroradiometer (GER-1500,Geophysical and Environmental Research Corp., Milbrook, NY, USA) operating at a spectral range between 350 and 1050 nm with a FWHM of 3.2 nm.