

Figure 1: Revised Figure 7. Response of respiration to water and sucrose additions at the Reference site (grey bars) and the Girdled site (white bars). Standard error bars are shown ($n=3$). Limitation to water and sucrose in the litter were calculated from the accumulation of respired carbon over three time periods following treatment application: from the first three measurement cycles (8 hr), from the first 36 hr, and from the entire duration of the experiment (115 hr), using cumulative C fluxes and Eq 1. Asterisks denote significant differences between the two sites (t-test, * $P \leq 0.05$; ** $P \leq 0.01$; *** $P \leq 0.001$). P values are shown for tests not meeting the α criteria of 0.05 but were less than 0.15.

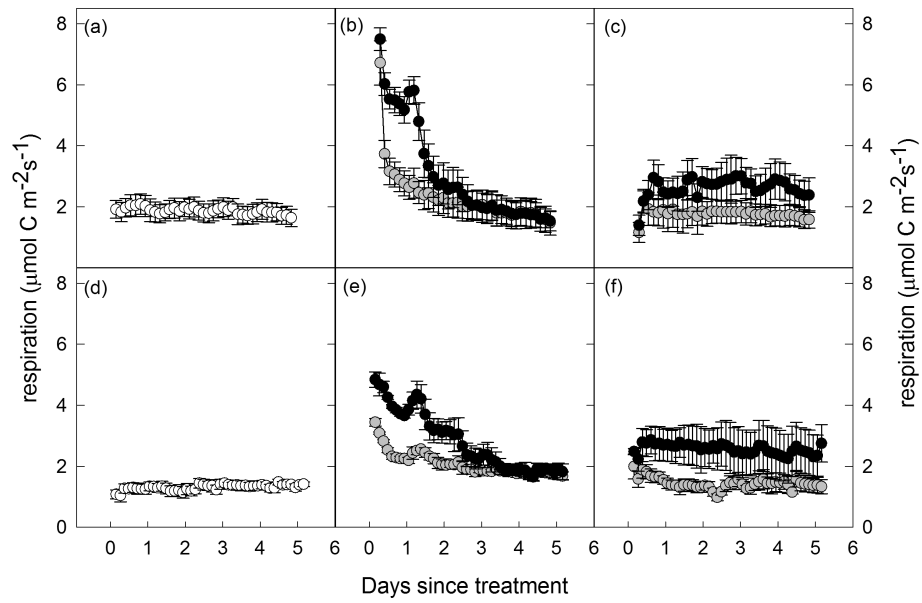


Figure 2: Revised Figure 1. Reference site Experiment 1 (top row) and Experiment 2 (bottom row) respiration in (a,d) control, (b,e) mineral soil, and (c,f) litter surface applications. Light grey symbols indicate water-only and black symbols indicate sucrose+water treatments.