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## LIST OF SYMBOLS AND ABBREVIATIONS

<b>Symbol</b>	<b>Description</b>
<b>Greek Alphabet</b>	
$\Delta C$	Change in CO <sub>2</sub> concentration ( $\mu\text{mol mol}^{-1}$ )
$\Delta C_S$	Change in soil C stock ( $\text{t C ha}^{-1}$ )
$\Delta C_R$	Change in C stored in roots (fine and coarse) ( $\text{t C ha}^{-1}$ )
$\Delta t$	Change in time (year)
<b>Roman Alphabet</b>	
<i>A</i>	Surface area ( $\text{m}^2$ )
<i>C</i>	Carbon
<i>CH<sub>4</sub></i>	Methane
<i>CO<sub>2</sub></i>	Carbon dioxide
<i>C<sub>0</sub></i>	Concentration of gas at time 0 ( $\mu\text{mol mol}^{-1}$ )
<i>C<sub>t</sub></i>	Concentration of gas at time t ( $\mu\text{mol mol}^{-1}$ )
<i>CV</i>	Coefficient of variation (%)
<i>d</i>	Gas density ( $\text{g m}^{-3}$ )
<i>DBH</i>	Tree diameter at breast height (cm)
<i>DC</i>	Dynamic closed chamber
<i>F<sub>A</sub></i>	Aboveground litterfall ( $\text{t C ha}^{-1}$ )
<i>F<sub>E</sub></i>	Export of C ( $\text{t C ha}^{-1}$ )
<i>F<sub>S</sub></i>	Soil respiration ( $\text{t C ha}^{-1} \text{y}^{-1}$ , or $\text{g m}^{-2} \text{d}^{-1}$ )
<i>IRGA</i>	Infra Red Gas Analyser
<i>M</i>	Dry mass (g)
<i>M<sub>CR</sub></i>	Coarse root biomass ( $\text{t ha}^{-1}$ )
<i>M<sub>d</sub></i>	Dry mass of sample (g)
<i>M<sub>FR</sub></i>	Fine root biomass ( $\text{t ha}^{-1}$ )

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$N_2O$	Nitrous oxide
$P_b$	Bulk density ( $g\ cm^{-3}$ )
$Q_{10}$	Relative increase in the rate of a chemical reaction in response to an increase of temperature by $10\ ^\circ C$
$R_0$	Basal soil $CO_2$ efflux at a temperature of $0\ ^\circ C$ ( $g\ m^{-2}\ d^{-1}$ )
SC	Static closed chamber
$t$	Time (day)
$T$	Soil temperature ( $^\circ C$ )
TBCA	Total Belowground Carbon Allocation ( $t\ C\ ha^{-1}\ y^{-1}$ )
$V$	Volume ( $cm^3$ )
$W$	Soil water content ( $cm^3\ cm^{-3}$ )