Supplementary Materials

Effect of carbon and nitrogen addition on $\delta^{13}C$ and $\delta^{18}O$ values of CO_2 released from soil collars under forest and lawn across seasons

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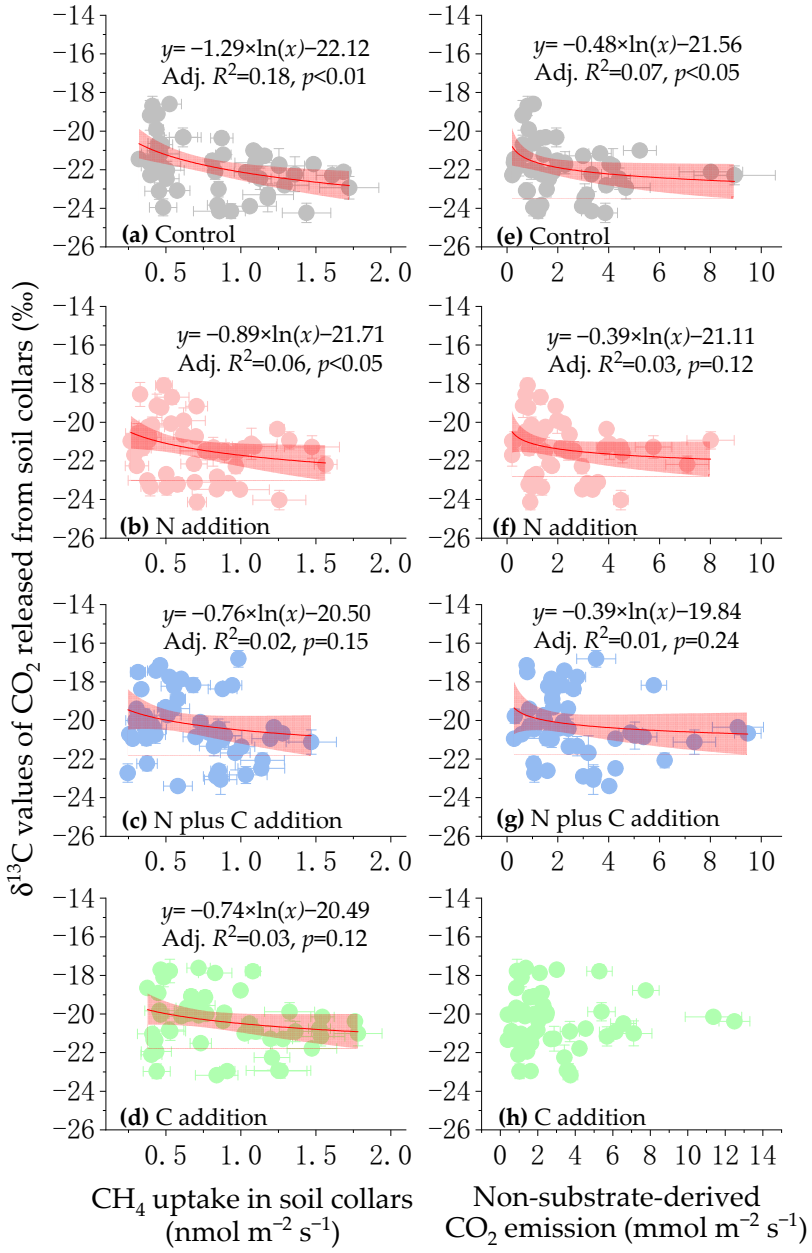


Figure S1 Relationships between $\delta^{13}C$ values of soil-respired CO_2 (y) and CH_4 uptake (**a-d**) or non-substrate-derived CO_2 emission (**e-h**) (x) for each treatment across all three seasons under forest and lawn. Shaded areas indicate the 95% confidence bands of the non-linear regressions.

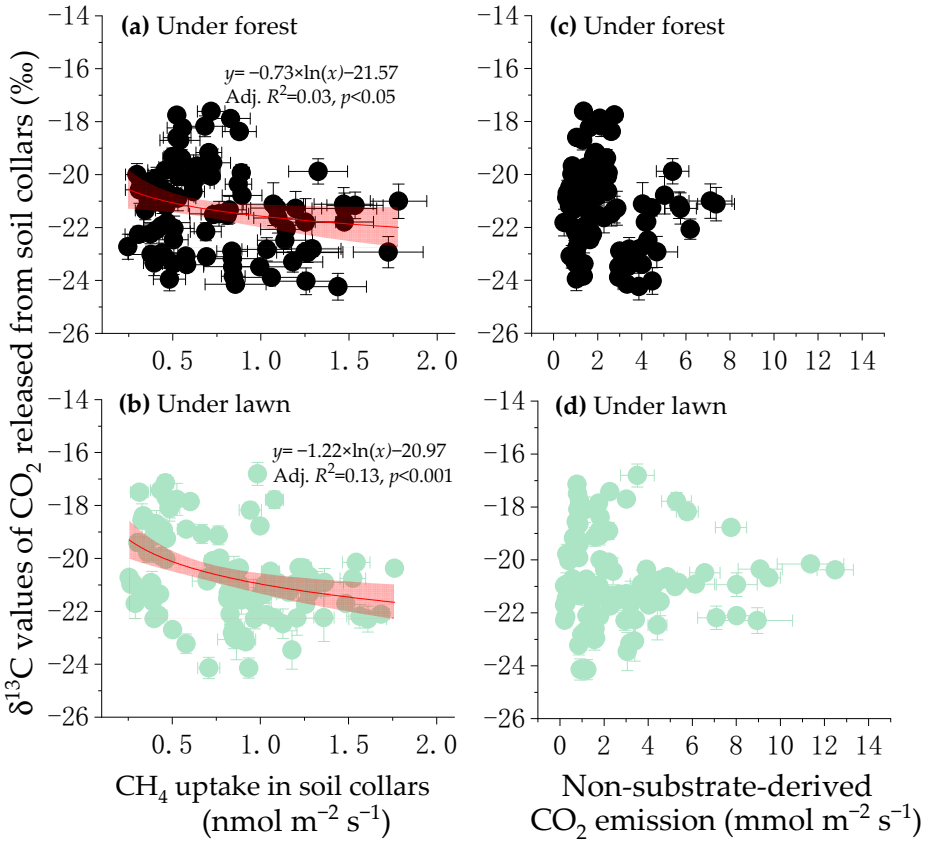


Figure S2 Relationships between $\delta^{13}C$ values of soil-respired CO_2 (y) and CH_4 uptake (**a, b**) or non-substrate-derived CO_2 emission (**c, d**) (x) under forest and lawn across all three seasons. Shaded areas indicate the 95% confidence bands of the non-linear regressions.

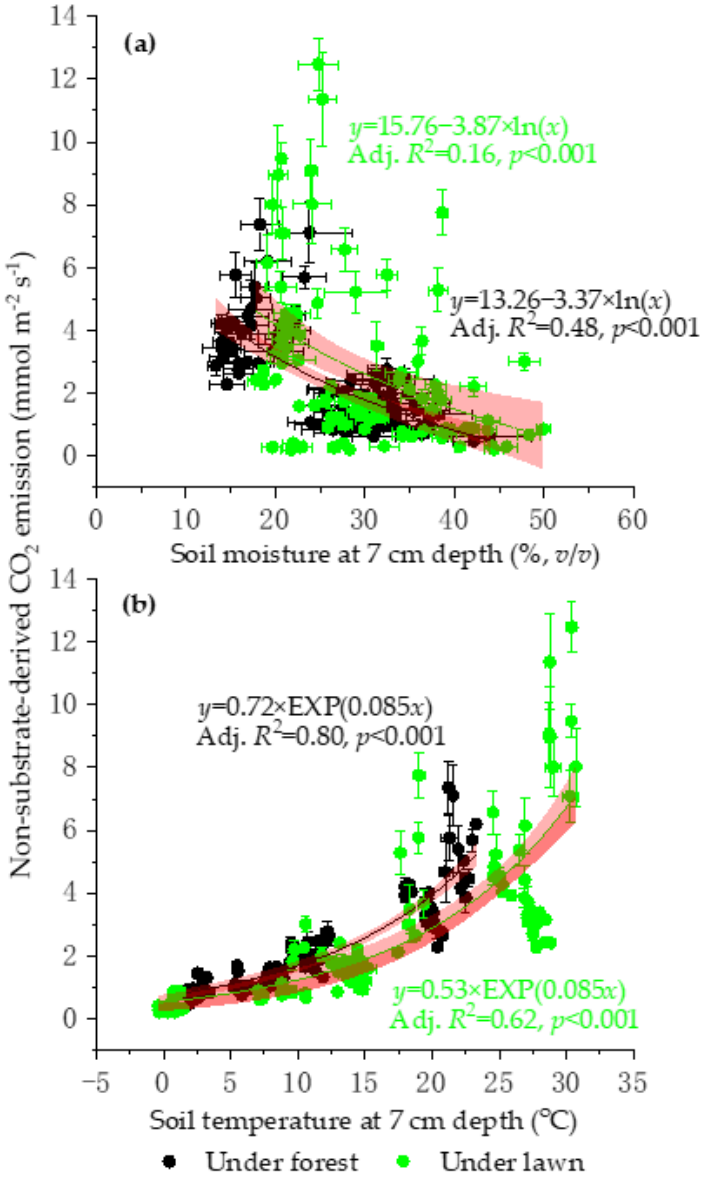


Figure S3 Relationships between non-substrate-derived CO_2 emission (y) and soil moisture (**a**) or temperature (**b**) (x) at 7 cm depth across all three seasons under forest and lawn. Shaded areas indicate the 95% confidence bands of the non-linear regressions (black for forest, green for lawn).