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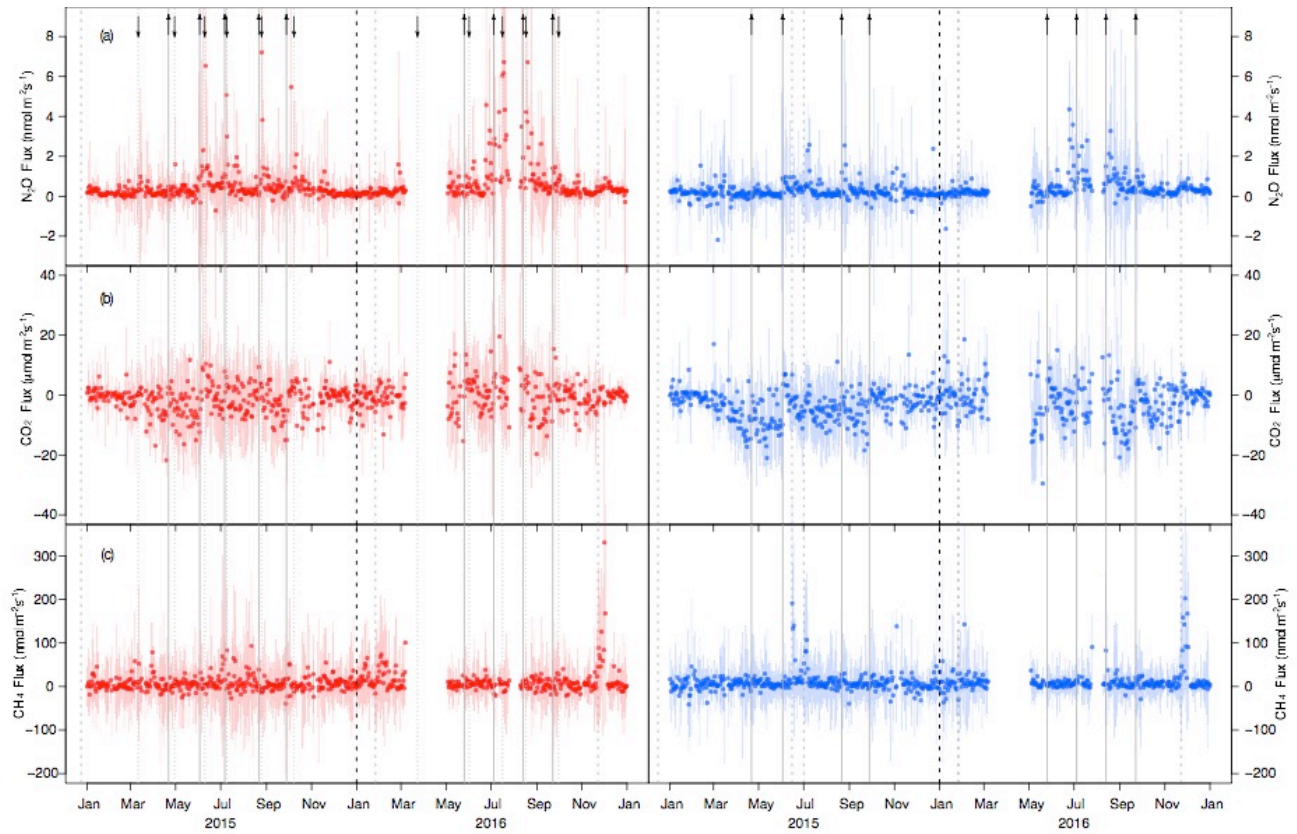
*Supplement of*

## **Management matters: testing a mitigation strategy for nitrous oxide emissions using legumes on intensively managed grassland**

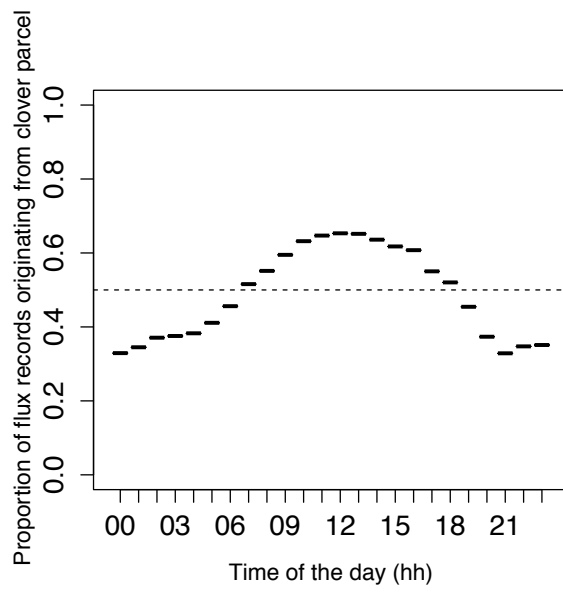
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5 **Figure S1.** (a) Daily averaged N<sub>2</sub>O fluxes, (b) daily averaged CO<sub>2</sub> fluxes, and (c) daily averaged CH<sub>4</sub> fluxes at the control (left, red) and the experiment parcels (right, blue) in 2015 and 2016. Shaded areas indicate within-day variability (standard deviations of 10 min fluxes). Black downward arrows and dotted lines indicate fertilization events, upward arrows and solid lines indicate mowing, and dashed lines indicate the beginning of grazing events.



**Figure S2.** Proportion of flux records during the observation period originating from the clover parcel depending on the hour of the day.

Year	Biomass export (DM kg ha <sup>-1</sup> )	
	Control parcel	Later clover parcel
2007	10743	7427
2008	12597	6906
2009	12479	8362
2010	8435	4937
2011	6286	4774
2012 <sup>a</sup>	4121	3622
2013	10746	10210
2014	>8626 <sup>b</sup>	16320

<sup>a</sup>Year of grassland restoration

<sup>b</sup>Incomplete records during 2014

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**Table S2.** Annual yields 2007-2014 based on the field book entries of the farmer.