

[10.1071/CP23081](https://doi.org/10.1071/CP23081)

Crop & Pasture Science

Supplementary Material

Differential responses of yield and shoot traits of five tropical grasses to nitrogen and distance to trees in silvopastoral systems

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Table S1. Mean monthly temperature and total rainfall during the experimental period. Source: SIMEPAR, station 25135001, situated in the municipality of Ponta Grossa/PR.

	Temperature (°C)		Rainfall (mm)	
	2011	2012	2011	2012
January	21.8	20.3	264.8	229.3
February	21.5	22.0	213.4	145.5
March	20.1	20.4	97.6	103.5
April	18.7	18.6	60.4	220.2
May	14.9	15.6	33.6	81.0
June	12.8	14.2	83.5	243.9
July	14.2	13.6	242.0	74.8
August	14.6	16.7	286.8	5.0
September	15.7	17.9	61.0	67.3
October	18.4	19.8	210.0	150.0
November	18.9	20.3	98.8	167.7
December	20.4	22.4	39.4	185.2

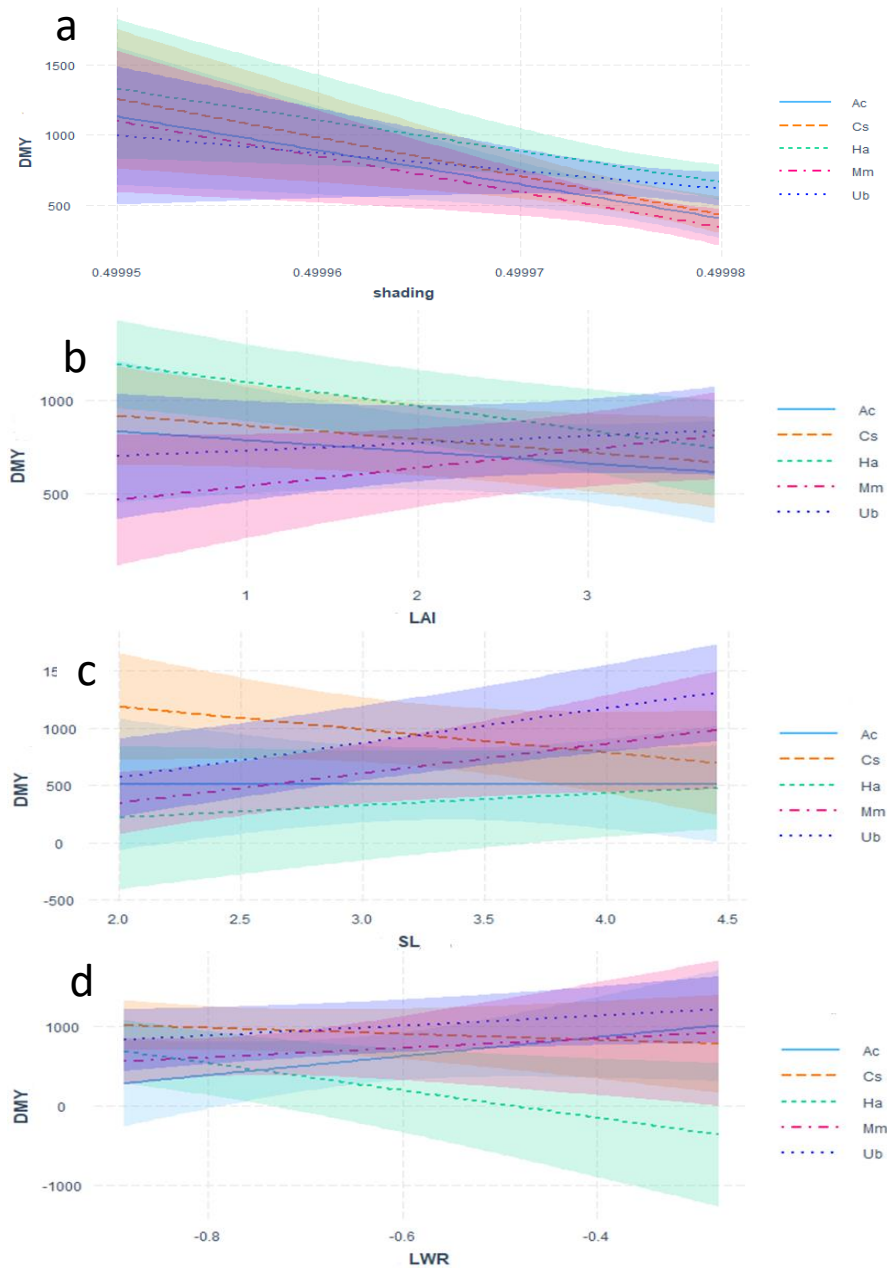


Figure S1. Relationship between shading levels (a), leaf area index (LAI, b), sheath length (SL, c) and leaf weight ratio (LWR, d) with species response in terms of dry matter yield (DMY, g m^{-2}). This figure shows the shading levels \times species and LAI \times species interactions impact on DMY according to model 1 and SL \times species and LWR \times species interactions according to model 2 (Figure 3). See Figure 1 for species codes.