

Supplementary Materials

Effect of legume intercropping on N₂O emission and CH₄ uptake during maize production in the Ethiopian Rift Valley

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Table S1: Experimental design of the intercropping trial

No.	Crop type	Treatment	2015		C:N forage legume	2016	
			Mineral N kg ha ⁻¹	P kg ha ⁻¹		Mineral N kg ha ⁻¹	P kg ha ⁻¹
1	Maize monocrop	Unfertilized	0	-	-	0	-
		Fertilized	64	20	-	64	10
2	Maize+Cr ^a	3weeks	64	20	12.6	32	10
		6 weeks	64	20		32	10
3	Maize+Lb ^b	3 weeks	64	20	10.07	32	10
		6 weeks	64	20		32	10

Cr^a Crotalaria, Lb^b Lablab

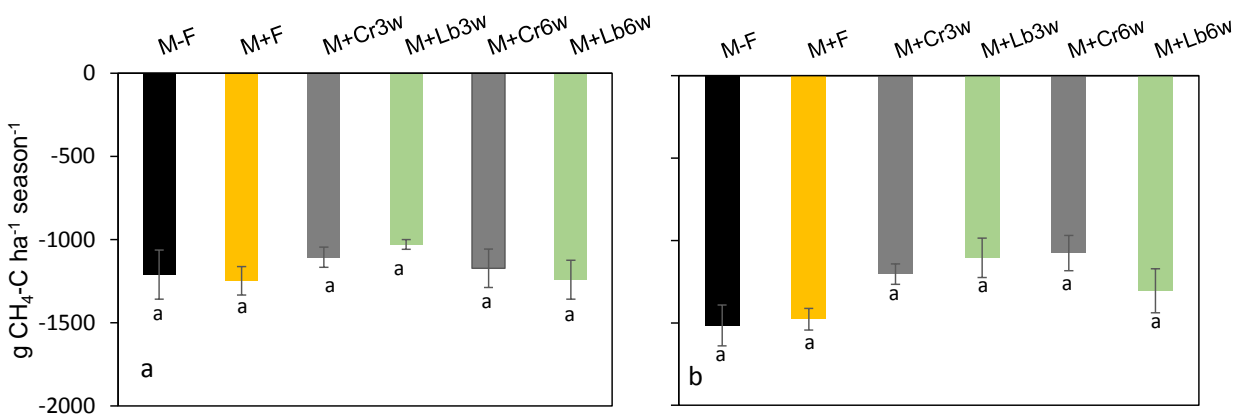


Figure S1: Cumulative seasonal CH₄-C in 2015 (a) and 2016 (b). Error bars denote SEM (n=4). Different letters indicate insignificant differences between treatments. For treatment names, see Fig. 2.