

R1		R2	
T3	Seed inoculation (+)	T1	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T5	Non-inoculation (-)	T3	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T8	Seed inoculation (+)	T9	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T1	Non-inoculation (-)	T7	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T6	Seed inoculation (+)	T2	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T4	Non-inoculation (-)	T6	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T2	Seed inoculation (+)	T4	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T7	Non-inoculation (-)	T5	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T9	Seed inoculation (+)	T8	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
R3		R4	
T9	Non-inoculation (-)	T6	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T5	Seed inoculation (+)	T4	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T1	Non-inoculation (-)	T2	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T3	Seed inoculation (+)	T8	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T7	Non-inoculation (-)	T9	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T8	Seed inoculation (+)	T5	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T2	Non-inoculation (-)	T3	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)
T4	Seed inoculation (+)	T1	Non-inoculation (-)
	Non-inoculation (-)		Seed inoculation (+)
T6	Non-inoculation (-)	T7	Seed inoculation (+)
	Seed inoculation (+)		Non-inoculation (-)

Figure S1. Layout of four replications of an experimental design that includes 9 integrated nutrient management (INM) treatments and two biofertilizers treatments (with (+) and without (-) seed inoculation), showing locations of INM and biofertilizers treatments. The all treatments were applied in the same place in two seasons (winter for faba bean and summer for maize) and in two years.