

**Tabel S3.** Results Eb 18\_19 soybean main crop.

Inter-crop	Inoculation	No. of nodules per plant					Weight of nodules per plant (mg)					No. of nodules per plant m.r.					No. of nodules per plant l.r.					Shoot_Mg (%)					Shoot_Ca (%)					Shoot_K (%)					Shoot_P (%)					LSD				
		Yield (t ha <sup>-1</sup> )	SE (±)	LSD 5%	Grain N (%)	SE (±)	LSD 5%	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SE (±)	LSD	SPAD	SE (±)	LSD	5%													
Eb 18_19 N=32	BS	2.28	0.10		4.48	0.14		8.1		1.80		76.09	17.76	14.1	3.43		25.8	5.57	0.38	0.007	1.39	0.023	B	1.94	0.025	AB	0.19	0.003	30.0	0.72																
	S	2.27	0.11	n.s.	4.87	0.14	n.s.	6.9		1.38	n.s.	79.58	15.14	14.5	2.74	n.s.*	20.6	4.50	0.35	0.004	1.25	0.014	0.09	A	1.85	0.021	0.12	A	0.17	0.003	29.2	0.69	n.s.													
	B	2.17	0.10		4.75	0.17		10.2		2.17		84.07	19.20	24.8	5.36		29.4	6.63	0.37	0.006	n.s.	1.30	0.023	AB	1.97	0.019	AB	0.19	0.003	28.4	0.89	n.s.														
	C	2.63	0.10		4.94	0.11		7.2		1.67		67.31	16.37	14.1	3.64		26.3	6.17	0.37	0.004	1.29	0.014		A	2.02	0.024	AB	0.18	0.002	33.6	1.61															
	u	1.95	0.04	0.32	A	4.16	0.03	0.4	A	0.1	0.03	3.76	A	0.46	0.05	n.s.*	0.0	0.00	7.82	A	0.2	0.09	n.s.*	0.37	0.002	n.s.	1.31	0.007	n.s.	1.90	0.013	n.s.	0.19	0.003	n.s.	28.2	2.43	3.37	A							
	i	2.72	0.04	B	5.54	0.07	B	16.1		1.53	B	153.06	16.23	33.8	3.78	B	50.8	5.71	0.36	0.005	1.30	0.019	n.s.	2.00	0.035	0.18	0.002	32.4	0.27	B																

Values followed by different letters are significantly different at LSD 5 %. In this context, each site and the type of intercrop as well as inoculation was considered separately.

BS = buckwheat/soybean; S = soybean; B = buckwheat; C = control; u = uninoculated; i = inoculated; SE = standard error; LSD = least significant difference;

N = nitrogen; m.r. = main root; l.r. = lateral root; Ca = calcium; P = phosphor; K = potassium; n.s. = not significant;

\*high number of outliers, normal distribution is not given