

1 Table S1. Chemical characteristics of soil used in experiments in the present study^a

	Experiment 1	Experiment 2	Experiment 3
pH (H ₂ O)	6.86	5.95	7.09
EC (dS m ⁻¹)	0.11	0.12	0.08
NH ₃ -N (mg kg ⁻¹)	8.5	6.7	9.5
NO ₃ -N (mg kg ⁻¹)	14.8	26.9	7.4
Available P (P ₂ O ₅ mg kg ⁻¹) ^b	1,940	20	30
Exchangeable K (K ₂ O mg kg ⁻¹)	490	280	300
Exchangeable Ca (CaO mg kg ⁻¹)	3,980	3,310	3,040
Exchangeable Mg (MgO mg kg ⁻¹)	680	540	770
Phosphate absorption coefficient	2565	2824	2662
CEC (cmol _c kg ⁻¹)	22.2	27.7	20.8

2 ^a pH and EC were measured in moist soil and the other characteristics were measured in air-dried soil.

3 ^b Truog method.

Fig. S1 Growth of spinach on June 17, 2015. Cont, compound inorganic fertilizer; MI10, microbial inoculant applied with 10,000 kg ha⁻¹.



Cont



MI10

Fig. S1 Mitsuboshi