

Supplementary Material

Table S1. The effects of management system, inoculum type, and their interaction on plant growth parameters as revealed by two-way ANOVA. (**: $P < 0.01$, ns: non-significant)

	Management (1 d.f.)		Inoculant type (3 d.f.)		Management x Inoculum (3 d.f.)	
	<i>F</i> value	<i>P</i> value	<i>F</i> value	<i>P</i> value	<i>F</i> value	<i>P</i> value
Root weight	10.55	**	0.68	ns	1.19	ns
Foliage weight	1.93	ns	0.31	ns	0.44	ns
Foliage length	9.53	**	2.61	ns	1.61	ns

Table S2. The effects of management system, inoculum type, and their interaction on microbial groups and PLFAs ratios as revealed by Two-way ANOVA (*: $P < 0.05$, **: $P < 0.01$, ***: $P < 0.001$, ns: non-significant)

	Management (1 d.f.)		Inoculum type (3 d.f.)		Management x Inoculum (3 d.f.)	
	<i>F</i> value	<i>P</i> value	<i>F</i> value	<i>P</i> value	<i>F</i> value	<i>P</i> value
Gram-positive	2.2	ns	17.4	***	8.9	***
Gram-negative	81.8	***	10.5	***	12.5	***
Actinomycetes	4.9	*	0.9	ns	3.8	*
Microeukaryotes	25.6	***	2.4	ns	2.7	ns
Fungi	0.2	ns	6.5	**	10.6	***
Total Microbial Biomass	8.4	**	12.1	***	7.9	***
Gram ⁺ /Gram ⁻	22.2	***	14.7	***	12.5	***
Bacteria/Fungi	5.6	*	0.2	ns	2.8	ns

Table S3. The effects of management system, inoculum type, and their interaction on microbial groups and PLFAs ratios as revealed by Two-way ANOVA (*: $P < 0.05$, **: $P < 0.01$, ***: $P < 0.001$, ns: non-significant)

	Management (1 d.f.)		Inoculum type (3 d.f.)		Management x Inoculum (3 d.f.)	
	<i>F</i> value	<i>P</i> value	<i>F</i> value	<i>P</i> value	<i>F</i> value	<i>P</i> value
Acid phosphatase	8.6	**	5.7	**	0.1	ns
Urease	267.6	***	9.5	***	0.4	ns
β-glucosidase	192.7	***	2.6	ns	1.7	ns