

Electronic Supplementary Information to:

Fertilizers and microorganisms promote strawberry growth, yield and quality in Peru

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Table S1. ANOVA Table for agronomical variables with *P-value* for each source of variation, simple effects and interactions for the split-plot experiment with different fertilizer doses, microorganisms and cultivars in Strawberry in Cañete, Peru. Bold numbers indicate significant differences.

Sources of Variability	df	Number of Leaves	Foliar area	Number of Crowns	Number of Flowers	Stolons	Petiole length	Petiole Diameter	Crown diameter	Number of Fruits	Yield
		unit	cm ²	unit	unit	unit	cm	mm	mm	10 ⁶	Mgh a ⁻¹
Block	2	0.647	0.924	0.888	0.611	0.942	0.822	0.833	0.425	0.463	0.467
Doses	3	0.109	0.002	0.057	0.390	0.250	0.252	0.205	0.065	0.016	0.027
Microorganisms	3	<0.001	<0.001	0.214	0.018	0.318	0.357	0.145	<0.001	<0.001	<0.001
Cultivar	1	<0.001	<0.001	0.042	0.020	<0.001	0.021	0.435	<0.001	<0.001	<0.001
Dose:Microorganisms	9	0.091	1	0.137	0.140	0.019	0.132	<0.001	0.029	0.297	0.165
Dose:Cultivar	3	0.131	0.287	0.028	0.159	0.845	0.739	0.005	0.114	0.833	0.975
Microorganisms:Cultivar	3	0.015	0.287	0.552	0.088	0.292	0.326	0.135	0.585	0.049	0.016
Dose:Cultivar:Microorganisms	9	0.245	0.057	0.281	0.183	0.215	0.084	0.130	0.063	0.280	0.331
Error	6										
	2										

Table S2. ANOVA Table for nutritional variables with *P-value* for each source of variation, simple effects and interactions for the split-plot experiment with different fertilizer doses, microorganisms and cultivars in Strawberry in Cañete, Peru. Bold numbers indicate significant differences.

Sources of Variability	df	N	P	K	Ca	Mg
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		%				
Block	2	0.647	0.878	0.888	0.862	0.876
Doses	3	0.059	<0.001	<0.001	0.026	0.036
Microorganisms	3	<0.001	<0.001	<0.001	0.033	0.053
Cultivar	1	<0.001	0.899	0.261	0.165	0.165
Dose:Microorganisms	9	0.061	<0.001	<0.001	<0.001	0.216
Dose:Cultivar	3	0.059	<0.001	<0.001	0.079	0.079
Microorganisms:Cultivar	3	<0.001	<0.001	<0.001	0.098	0.047
Dose:Cultivar:Microorganisms	9	0.066	<0.001	<0.001	<0.001	0.089
Error	62					

Table S3. ANOVA Table for quality of fruit variables with *P-value* for each source of variation, simple effects and interactions for the split-plot experiment with different fertilizer doses, microorganisms and cultivars in Strawberry in Cañete, Peru. Bold numbers indicate significant differences.

Sources of Variability	df	pH	Acidity	Brix Grade	Firmness	Circunference
		--	--	--	gf	mm
Block	2	0.894	0.913	0.888	0.876	0.829
Doses	3	0.729	0.763	0.582	0.041	0.049
Microorganisms	3	0.477	0.437	0.400	0.047	0.384
Cultivar	1	0.133	0.144	0.917	0.074	0.425
Dose:Microorganisms	9	0.583	0.790	0.765	0.004	0.281
Dose:Cultivar	3	0.402	0.532	0.647	0.051	0.675
Microorganisms:Cultivar	3	0.455	0.464	0.480	0.488	0.413
Dose:Cultivar:Microorganisms	9	0.498	0.837	0.692	0.123	0.827
Error	62					