

Appendix A

Two-way ANOVA of microbial amount, enzyme activities, soil nutrient contents and yield components in three irrigation and three nitrogen fertilizer treatments.

Items	2014-2015						2015-2016					
	Irrigation		Nitrogen		Interaction		Irrigation		Nitrogen		Interaction	
	F	P	F	P	F	P	F	P	F	P	F	P
Bacteria	960.572	<0.001	840.591	<0.001	141.529	<0.001	287.209	<0.001	1212.889	<0.001	52.374	<0.001
Actinobacteria	3456.584	<0.001	2239.357	<0.001	80.990	<0.001	158.158	<0.001	218.930	<0.001	11.619	0.002
Fungi	1093.093	<0.001	1347.812	<0.001	122.148	<0.001	1822.735	<0.001	611.987	<0.001	79.525	<0.001
Urease	427.472	<0.001	1945.249	<0.001	57.467	<0.001	50.206	<0.001	110.444	<0.001	2.384	0.138
Protease	367.878	<0.001	756.381	<0.001	12.367	0.002	1501.708	<0.001	950.599	<0.001	38.468	<0.001
Catalase	277.551	<0.001	406.490	<0.001	17.579	<0.001	114.997	<0.001	118.906	<0.001	5.924	0.016
Phosphatase	1918.943	<0.001	1013.314	<0.001	55.326	<0.001	179.735	<0.001	139.856	<0.001	1.915	0.201
OM	21.510	0.006	5.529	0.069	2.090	0.186	0.953	0.456	0.924	0.465	0.951	0.049
TN	105.240	<0.001	44.337	0.002	45.361	<0.001	2.671	0.183	28.661	0.004	11.167	0.002
AN	17.261	0.011	44.293	0.002	6.287	0.014	73.246	0.001	104.251	<0.001	4.382	0.036
AP	15.724	0.013	16.187	0.012	3.585	0.059	47.009	0.001	32.760	0.002	0.462	0.763
AK	26.701	0.004	135.157	<0.001	38.665	<0.001	560.056	<0.001	188.698	<0.001	17.753	<0.001
SN	887.532	<0.001	95.971	<0.001	5.077	0.025	53.592	0.001	27.990	0.004	9.311	0.004
GNS	249.888	<0.001	109.418	<0.001	21.746	<0.001	486.295	<0.001	546.641	<0.001	6.708	0.011
TGW	459.282	<0.001	104.017	<0.001	9.539	0.004	41.901	0.002	53.503	0.001	9.393	0.004
Yield	535.540	<0.001	172.674	<0.001	7.450	0.008	8.406	0.037	3.587	0.128	1.799	0.222

Results from two-way ANOVA analysis are presented as *F*- and *P* value (bold indicates no significant effects (*P* > 0.05)).

Table 2 文中有引用吗?

Pearson's correlation significance (P-values) of grain yield, selected soil chemical properties and biochemical properties.

	Yield	OM	TN	AN	AP	AK	Bacteria	Actinomycetes	Fungi	Urease	Protease	Catalase
OM	0.007											
TN	0.937	0.095										
AN	0.003	0.000	0.109									
AP	0.069	0.074	0.036	0.029								
AK	0.050	0.130	0.012	0.008	0.006							
Bacteria	0.000	0.081	0.726	0.030	0.102	0.276						
Actinomycetes	0.204	0.029	0.000	0.006	0.000	0.000	0.598					
Fungi	0.000	0.054	0.575	0.003	0.258	0.260	0.000	0.372				
Urease	0.000	0.219	0.116	0.086	0.630	0.989	0.000	0.706	0.000			
Protease	0.001	0.664	0.033	0.382	0.779	0.795	0.000	0.240	0.000	0.000		
Catalase	0.026	0.726	0.002	0.950	0.575	0.256	0.002	0.046	0.006	0.000	0.000	
Phosphatase	0.018	0.002	0.006	0.000	0.002	0.000	0.061	0.000	0.117	0.709	0.959	0.236