

Table S2 Statistical test details

Table S2: Details of the results of the statistical analysis of variance (ANOVA) and Tukey's honest significant difference test, for each soil sampling moment and parameter.

Month	Parameter	ANOVA		Tukey - control and single		Tukey - control and double		Tukey - single and double	
		F value	p value	t value	p value	t value	p value	t value	p value
0	Nitrate	3.8	NS	1.95	NS	-	-	-	-
0	Kjeldahl total nitrogen	7.9	**	2.8	**	-	-	-	-
0	Polyphenol contents	42.7	***	6.5	***	-	-	-	-
0	pH	50	***	-7	***	-	-	-	-
0	Electrical conductivity	35.9	***	6	***	-	-	-	-
0	Organic carbon	22.1	***	4.7	***	-	-	-	-
6	Nitrate	0.36	NS	-0.6	NS	-	-	-	-
6	Kjeldahl total nitrogen	9.1	**	3	**	-	-	-	-
6	Polyphenol contents	1.1	NS	1	NS	-	-	-	-
6	pH	0.97	NS	-0.9	NS	-	-	-	-
6	Electrical conductivity	9.6	**	3.1	**	-	-	-	-
6	Organic carbon	15	***	3.9	***	-	-	-	-
10	Nitrate	6.4	**	-1.5	NS	-3.6	**	-2.3	NS
10	Kjeldahl total nitrogen	10.2	***	1.1	NS	4.5	***	3.6	**
10	Polyphenol contents	74.1	***	1.5	NSA	11.7	***	10.5	***
10	pH	34	***	-0.11	NS	-7.6	***	-7.5	***
10	Electrical conductivity	54.3	***	0.9	NS	9.9	***	9.2	***
10	Organic carbon	14.8	***	1.8	NS	5.4	***	4	***
18	Nitrate	1.8	NS	-0.2	NS	-1.7	NS	-1.5	NS
18	Kjeldahl total nitrogen	0.7	NS	0.5	NS	1.2	NS	0.7	NS
18	Polyphenol contents	10	***	3.5	**	4.1	***	0.6	NS
18	pH	0.8	NS	0.5	NS	1.2	NS	0.7	NS
18	Electrical conductivity	2.9	NS	-1.4	NS	-2.3	NS	-0.9	NS
18	Organic carbon	1.5	NS	0.9	NS	1.7	NS	0.8	NS