

Appendix Bacterial composition of the nine treated soil samples at the phylum level. Treatments included 0 (control), 5, 10, 20, 50 times quantities of residual coating from conventional application amount of resin (R5, R10, R20, R50) and water-soluble (W5, W10, W20, W50) coated CRFs.

Phylum	Control	R5	R10	R20	R50	W5	W10	W20	W50
<i>Proteobacteria</i>	27.98(1.70) ab	29.52(1.07) ab	29.56(1.36) ab	26.29(3.31) b	30.38(0.69) a	29.62(1.55) ab	29.68(1.01) ab	27.49(4.02) ab	29.21(1.02) ab
<i>Actinobacteria</i>	24.72(1.07) a	24.08(1.81) a	26.72 (2.00) a	26.04(6.44) a	23.00(4.01) a	24.59(0.72) a	23.41(3.84) a	23.83(4.66) a	24.68(0.55) a
<i>Acidobacteria</i>	10.18(1.81) ab	10.26(2.91) ab	10.51(0.96) ab	8.59(1.81) b	8.49(0.58) b	10.18(1.24) ab	11.76(1.04) a	8.52(2.52) b	10.60(0.95) ab
<i>Chloroflexi</i>	9.09(0.68) ab	8.93(0.46) ab	8.41(0.79) b	8.68(1.14) ab	9.56(0.29) ab	9.74(0.76) a	9.88(0.53) a	8.31(0.84) b	8.82(0.96) ab
<i>Gemmatimonadetes</i>	9.01(0.57) a	7.98(2.03) a	8.85(1.62) a	7.55(0.71) a	7.66(1.58) a	7.95(1.10) a	7.95(0.18) a	6.95(1.23) a	8.55(0.80) a
<i>Cyanobacteria</i>	4.07(5.63) a	3.99(2.58) a	1.50(1.09) a	9.37(13.44) a	6.06(5.06) a	2.72(1.19) a	1.39(0.88) a	10.55(14.16) a	2.14(1.45) a
<i>Bacteroidetes</i>	3.29(0.33) ab	3.62(0.68) ab	3.22(0.23) b	3.27(0.43) ab	4.18(0.72) a	3.92(0.38) ab	3.56(0.45) ab	3.67(0.20) ab	3.80(0.97) ab
<i>Planctomycetes</i>	3.06(0.56) a	3.38(0.27) a	3.31(0.68) a	2.81(0.48) a	3.19(0.65) a	3.59(0.53) a	3.65(0.44) a	2.89(1.22) a	3.57(0.30) a
<i>Firmicutes</i>	2.59(0.47) a	2.30(0.23) a	2.04(0.37) a	2.15(0.96) a	2.10(0.46) a	2.35(0.74) a	2.52(0.37) a	2.23(0.67) a	2.91(0.25) a
<i>Armatimonadetes</i>	1.09(0.07) a	1.20(0.07) a	1.00(0.04) a	1.04(0.35) a	1.23(0.31) a	1.24(0.11) a	1.23(0.22) a	1.26(0.12) a	1.15(0.21) a
no_rank_Bacteria	1.31(0.40) ab	1.55(0.19) ab	1.96(0.38) a	1.03(0.22) b	1.36(0.27) ab	1.43(0.20) ab	1.77(0.54) a	1.60(0.83) ab	1.77(0.12) a
unclassified_Bacteria	1.42(0.14) a	0.93(0.89) a	0.74(0.66) a	1.26(0.64) a	0.75(0.58) a	0.23(0.12) b	0.80(0.70) a	0.71(0.82) a	0.68(0.67) a
Others	2.19(0.56) a	2.26(0.18) a	2.18(0.38) a	1.91(0.31) a	2.03(0.33) a	2.45(0.03) a	2.41(0.13) a	1.98(0.57) a	2.13(0.18) a

Averages of three replicates with standard deviations in parenthesis

Significant differences (ANOVA, $p < 0.05$, LSD test) are denoted with different letters.