

Name	Input			Length ($\times 10^3$ km ha $^{-1}$)				Rhizosphere volume ($\times 10^3$ dm 3)				C rhizodeposition ($\times 10^3$ kg ha $^{-1}$)			
	Mean	Lower	Higher	Mean	Lower	Higher	S*	Mean	Lower	Higher	S*	Mean	Lower	Higher	S*
Clay concentration in soil (%)	30	10	50	17.3	47.6	10.8	0.90	135.9	373.5	85.0	0.90	1.3	3.5	0.8	0.92
Soil layer considered (cm)	25	5	50	17.3	6.4	26.6	0.60	135.9	50.1	208.9	0.60	1.3	0.5	2.0	0.62
Rhizodeposition C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	20	5	60	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00
Root diameter maximum for the fine roots (mm)	1	0.25	3	17.3	1.1	19.6	1.20	135.9	2.1	461.8	2.20	1.3	0.02	4.3	2.17
Shoot dry matter (t ha $^{-1}$)	140	40	280	17.3	13.6	19.7	0.20	135.9	107.1	155.1	0.20	1.3	1.0	1.5	0.19
Soil moisture (%)	50	5	100	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	0.1	2.6	0.00
Enzymes C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	5	3	7	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00
Microbiota C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	7	3.5	14	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00
Soil C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	12	6	30	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00
Rhizosphere thickness (cm)	0.5	0.1	1	17.3	17.3	17.3	0.00	135.9	27.2	271.9	1.00	1.3	0.3	2.6	1.00
Soil organic matter concentration (g dm $^{-3}$)	40	12	80	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00
C radicular efflux rate ($\mu\text{g cm}^{-2} \text{h}^{-1}$)	1.5	0.25	4.5	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	0.2	3.8	1.00
Total soil porosity (dm 3 dm $^{-3}$)	0.53	0.45	0.59	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00
Soil protection (%)	15	5	30	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00
Microbial immigration ($\mu\text{g } \mu\text{g}^{-1} \text{h}^{-1}$)	0.01	0.001	0.1	17.3	17.3	17.3	0.00	135.9	135.9	135.9	0.00	1.3	1.3	1.3	0.00