

Name	Value			BCm ($\mu\text{g g}^{-1}$ soil)				N mineralized (kg ha^{-1})				N balance (kg ha^{-1}) ^b			
	Mean	Lower	Higher	Mean	Lower	Higher	S^a	Mean	Lower	Higher	S^a	Mean	Lower	Higher	$S^{a,c}$
Clay content in soil (%)	30	10	50	52.84	52.84	52.83	0.00	87.87	241.44	87.87	0.63	24.15	66.36	24.15	0.63
Soil layer considered (cm)	25	5	50	52.84	52.84	52.84	0.00	87.87	32.40	135.05	0.62	24.15	8.90	37.12	0.62
Rhizodeposition C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	20	5	60	52.84	52.84	52.84	0.00	87.87	229.17	56.48	0.56	24.15	-25.71	35.23	1.66
Root diameter maximum for fine roots (mm)	1	0.25	3	52.84	52.84	52.84	0.00	87.87	1.36	298.50	2.17	24.15	0.37	82.04	2.17
Shoot dry matter (t ha^{-1})	140	40	280	52.84	52.84	52.84	0.00	87.87	69.26	100.24	0.19	24.15	19.04	27.55	0.19
Soil moisture (%)	50	5	100	52.84	24.12	52.97	0.26	87.87	69.66	87.94	0.08	24.15	5.94	24.21	0.47
Enzymes C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	5	3	7	52.84	52.84	52.84	0.00	87.87	86.62	88.41	0.02	24.15	22.90	24.69	0.09
Microbiota C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	7	3.5	14	52.84	52.84	52.84	0.00	87.87	77.04	93.29	0.14	24.15	13.32	29.57	0.58
Soil C / N ratio ($\mu\text{g } \mu\text{g}^{-1}$)	12	6	30	52.84	52.84	52.84	0.00	87.87	141.36	55.78	0.58	24.15	77.63	-7.94	2.70
Rhizosphere thickness (cm)	0.5	0.1	1	52.84	52.84	52.83	0.00	87.87	17.58	175.75	1.00	24.15	4.83	48.30	0.68
Soil organic matter content (g dm^{-3})	40	12	80	52.84	23.58	84.77	0.67	87.87	69.17	100.26	0.20	24.15	5.45	36.54	1.00
C radicular efflux rate ($\mu\text{g cm}^{-2} \text{h}^{-1}$)	1.5	0.25	4.5	52.84	19.00	119.66	0.64	87.87	36.79	177.65	0.54	24.15	26.17	-13.51	1.28
Total soil porosity ($\text{dm}^3 \text{dm}^{-3}$)	0.53	0.45	0.59	52.84	47.71	43.17	0.75	87.87	85.35	82.92	0.21	24.15	21.63	19.19	0.85
Soil temperature ($^{\circ}\text{C}$)	15.5	5	35	52.84	35.66	142.19	0.71	87.87	48.65	291.89	0.92	24.15	-15.06	228.15	2.83
Soil protection (%)	15	5	30	52.84	69.20	34.95	0.38	87.87	123.01	52.64	0.47	24.15	59.28	-11.08	2.38
Microbial immigration ($\mu\text{g } \mu\text{g}^{-1} \text{h}^{-1}$)	0.01	0.001	0.1	52.84	52.05	60.50	0.03	87.87	86.92	97.12	0.02	24.15	23.20	33.39	0.08