

Variables	Units	Descriptions	ORCHIMIC	CENTURY/PRIM
RF	gC (kg soil)^{-1}	FOM derived respiration when soil was incubated with FOM addition	Yes	Yes
RS	gC (kg soil)^{-1}	SOM derived respiration when soil was incubated with FOM addition	Yes	Yes
RS_{Ctrl}	gC (kg soil)^{-1}	SOM derived respiration when soil was incubated without FOM addition	Yes	Yes
Priming effect	gC (kg soil)^{-1}	Differences between SOM derived respiration when soil was incubated with and without FOM addition	Yes	Yes
B	gC (kg soil)^{-1}	Total microbial biomass concentrations when soil was incubated with FOM addition	Yes	No
B_{Ctrl}	gC (kg soil)^{-1}	Total microbial biomass concentrations when soil was incubated without FOM addition	Yes	No
B_{FOMr}	Unitless	Proportions of FOM derived C in microbial biomass when soil was incubated with FOM addition	Yes	No