

Table S1 Effects of tea-planting age and soil depth on the physical-chemical properties of litterfall and soil.

Sample	Litterfall			Bulk soil			> 2 mm aggregates			1-2 mm aggregates			0.25-1 mm aggregates			< 0.25 mm aggregates		
	T	T	S	T × S	T	S	T × S	T	S	T × S	T	S	T × S	T	S	T × S		
Litterfall amount	**																	
Litterfall C/N ratio	*																	
Soil bulk density		*	**	ns														
Soil pH		**	ns	ns														
Soil clay		ns	ns	ns														
Soil aggregate proportion					*	*	ns	ns	ns	ns	ns	ns	ns	*	*	ns		
Soil mean weight diameter		*	*	ns														
Soil organic C		**	**	ns	**	**	ns	**	**	ns	*	**	ns	*	**	ns		
Soil total N		**	**	ns	**	**	ns	**	**	ns	**	*	ns	**	*	ns		
Soil total P		ns	*	*	ns	*	ns	ns	*	ns	ns	*	ns	ns	*	ns		
Soil exchangeable Ca ²⁺		**	**	*	**	**	ns	**	**	ns	**	**	ns	**	**	ns		
Soil exchangeable Mg ²⁺		**	**	*	*	**	ns	*	**	ns	*	*	ns	*	*	ns		
Soil available Fe ²⁺		*	*	ns	*	*	ns	*	*	ns	*	*	ns	*	*	ns		
Soil available Mn ²⁺		*	*	ns	*	*	ns	*	*	ns	*	*	ns	*	*	ns		
Soil C/N ratio		ns	*	ns	ns	*	*	ns	*	*	ns	*	ns	ns	*	ns		
Soil C/P ratio		*	*	ns	*	*	ns	*	*	*	*	*	*	*	*	*	ns	
Soil N/P ratio		*	*	ns	*	*	ns	*	*	ns	*	*	*	*	*	*	*	
Soil Ca/Mg ratio		*	ns	*	*	ns	ns	*	ns	ns	*	ns	ns	*	ns	ns		
Soil Fe/Mn ratio		*	ns	*	*	ns	ns	*	ns	ns	*	ns	ns	*	ns	ns		

T: tea-planting age; S: soil depth. **, *, and ns indicate significant differences at $P < 0.01$, $P < 0.05$, and $P > 0.05$, respectively.

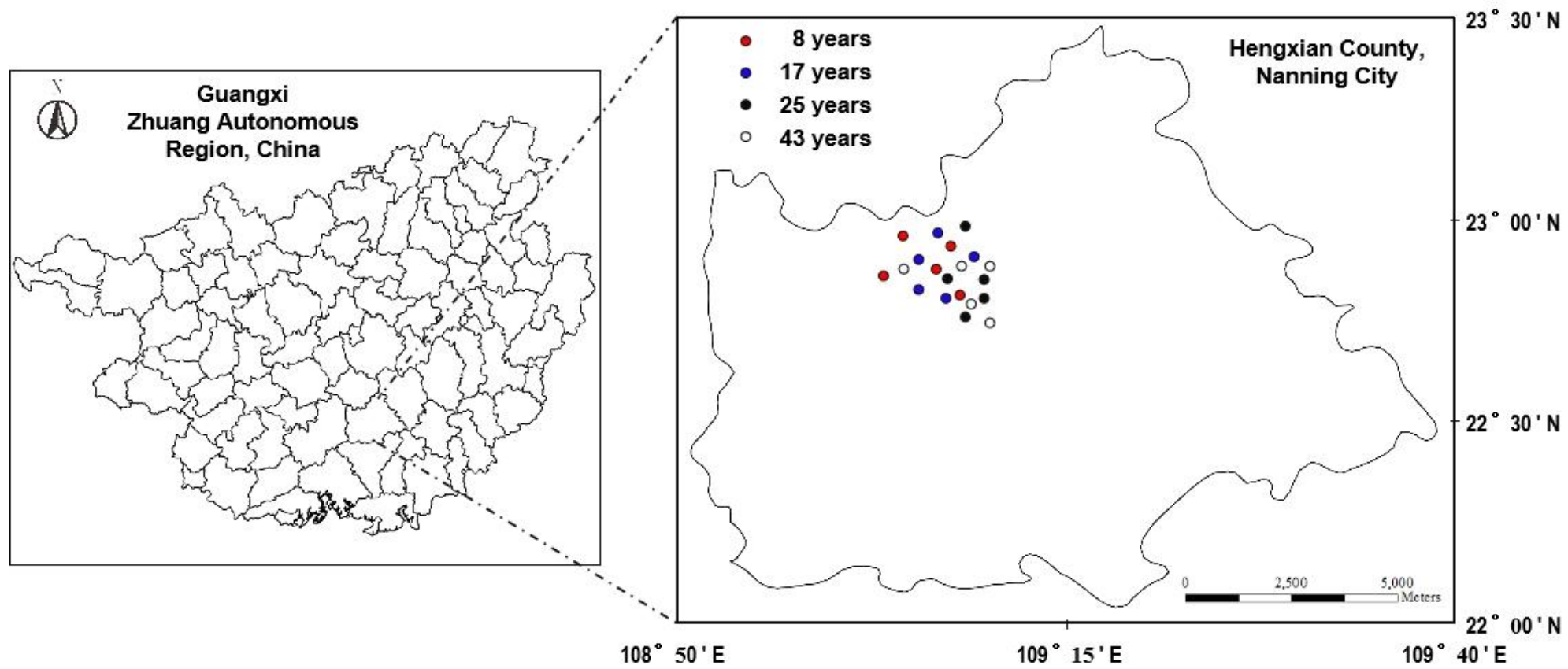


Figure S1 Location of the experiment site