Table S1 Performance of the revised CNMM-DNDC model in simulating surface runoff, sediment, and particulate and total nitrogen (N) losses at the lysimetric plot from 2004 to 2006. Total N is referred to as the total amount of NH_4^+, NO_3^-, dissolved organic N and particulate N.

	Calibration period (2005-2006)					Verification period (2004)				
	Size	RMSE	Slope	R^2	p	Size	RMSE	Slope	R^2	p
Surface runoff	9	33.9	1.01	0.94	< 0.001	7	15.2	0.75	0.96	< 0.001
Sediment loss	7	52.1	0.76	0.97	< 0.001	7	32.0	0.86	0.83	< 0.01
Particulate N loss	9	46.7	0.87	0.98	< 0.001	7	88.0	1.17	0.85	< 0.01
Total N loss	9	35.4	0.93	0.98	< 0.001	7	69.4	0.87	0.44	Not significant

The statistical criteria to quantify the discrepancy between observations and simulations include the normalized root mean square error (RMSE) and the slope, determination coefficient (R^2) and significant level (p) of the zero-intercept univariate linear regression (ZIR). Size represents the sample size. The results were derived from Li et al. (2022).

Reference

Li, S., Li, Y., Zhang, W., Zheng, X., Hu, P., Fan, J., Wang, T., Zhu, B., 2022. Simulation of water-induced erosion and transport of particulate elements in catchment by extending the CNMM-DNDC model. Chinese Journal of Eco-Agriculture, (Accepted).