

Table 1. Underlying surface conditions of the experimental plots.

Slope gradients (°)	Initial soil moisture (%)	Soil bulk density (g/cm ³)	Sediment particle size (μm)			Vegetation (plant)
			Dx (10)	Dx (50)	Dx (90)	
5	0.22	1.60	4.50	27.09	79.13	Grass (<i>Setaria viridis</i>)
10	0.18	1.57	5.69	37.55	97.05	Grass (<i>Setaria viridis</i>)
15	0.19	1.55	6.08	33.75	70.60	Grass (<i>Setaria viridis</i>)
20	0.20	1.59	7.30	36.38	73.99	Grass (<i>Setaria viridis</i>)

Note: Dx(10), Dx(50), Dx(90) indicate the particle size at the cumulative particle size distribution percentage of 10%, 50%, and 90%, respectively.

Table 2. Two-way ANOVA tables for the effects of slope gradient and vegetation cover on sediment yield.

Factors	Runoff sediment			Accumulative sediment			Erosion sediment yield		
	concentration (kg/m ³)			yield (g)			(g/min)		
	df	F	Sig.	df	F	Sig.	df	F	Sig.
Slope gradient	3	11.731	0.000***	3	22.974	0.000***	3	16.583	0.000***
Vegetation cover	2	5.937	0.004**	2	17.787	0.000***	2	16.032	0.000***
Slope gradient ×Vegetation cover	6	2.079	0.061	6	1.683	0.132	6	2.150	0.054

* $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$.