

Supporting information

Polyester Microplastic Fibers affect Soil Physical Properties and Erosion as a Function of Soil Type

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Table S1. P values for the effect of soil type and polyester fiber (MP) on the measured soil properties and erosion indicators after an incubation period of six months.

Parameters	Soil type	MP	Soil type*MP
Soil bulk density	<0.0001	0.0019	0.0005
P _{mac}	0.0894	0.7256	0.0347
AC	0.2031	0.0051	0.0044
PAWC	<0.0001	0.3396	0.0001
NFA	<0.0001	0.0258	0.3136
WSNFA	<0.0001	0.0020	0.1316
Sindex	<0.0001	0.0037	0.4540
Surface runoff	0.5555	0.7912	0.5232
Percolation	0.7997	0.4785	0.6335
Soil erosion	<0.0001	0.6467	<0.0001
Sediment concentration	<0.0001	0.6793	<0.0001

P_{mac}, Soil macroporosity index; AC, Air capacity; PAWC, Plant available water capacity; NFA, Newly formed aggregates (> 0.6 mm); WSNFA, Water-stable newly formed aggregates (> 0.6 mm).