Column	Supplies	Dimension
Code	Dataset identifier with 4 digits from 0001 to 5023	
Clay	Mass of soil particles, < 0.002 mm	%
Silt	Mass of soil particles, > 0.002 and < 0.05 mm	%
Sand	Mass of soil particle, > 0.05 and < 2 mm	%
Texture	1: sand; 2: loamy sand; 3: sandy loam; 4: sandy clay loam; 5: sandy clay; 6: loam; 7: silt loam; 8: silt; 9: clay loam; 10: silty clay loam; 11: silty clay; 12: clay.	
Gravel	Mass of particles larger than 2 mm	%
d_g	Geometric mean diameter	mm
S_g	Standard deviation of soil particle diameter	
OC	Soil organic carbon content	%
D_b	Soil bulk density	$g\,cm^{-3}$
D_p	Soil particle density	$g\,cm^{-3}$
K_{sat}	Soil saturated hydraulic conductivity	$cm\,h^{-1}$
θ_{sat}	Saturated volumetric soil water content	$cm^3\,cm^{-3}$
θ_i	Initial volumetric soil water content	$cm^3\,cm^{-3}$
FC	Soil water content at field capacity	$cm^3\,cm^{-3}$
PWP	Soil water content at permanent wilting point (1500 kPa)	$cm^3\,cm^{-3}$
θ_r	Residual volumetric soil water content	$cm^3\,cm^{-3}$
WAS	Wet-aggregate stability	%
MWD	Aggregates mean weight diameter	mm
GMD	Aggregates geometric mean diameter	mm
EC	Soil electrical conductivity	$dS\,m^{-1}$
pH	Soil acidity	–
Gypsum	Soil gypsum content	%
CCE	Soil calcium carbonate equivalent	%
CEC	Soil cation exchange capacity	$Cmol_c\,kg^{-1}$
SAR	Soil sodium adsorption ratio	–
DiscRadius	Applied disc radius (if any)	mm
Instrument	Applied instruments for infiltration measurement: 1: double ring; 2: single ring; 3: rainfall simulator; 4: Guelph permeameter; 5: disc infiltrometer; 6: micro-infiltrometer; 7: mini-infiltrometer; 8: Aardvark permeameter; 9: linear source method; 10: point source method; 11: hood infiltrometer; 12: tension infiltrometer; 13: BEST method.	
Vegetation cover		%
Land use	Dominant land-use or land cover type of the experimental site	
Rainfall intensity	Simulated rain intensity	$mm\,h^{-1}$
Slope	The mean slope of the soil surface	%
Treatment	Applied treatment in experimental site	
Crust	Yes: existence of crust. No: no crust layer.	
Sand contact layer	Yes: sand contact layer is applied during infiltration measurement. No: no sand contact layer.	