

data homogenization processing summary and QC check results: Wisconsin DIRT

notes included with key file:

source	Var_long	var	var_notes
location	Google Directory		Wisconsin DIRT
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	DIRT
location	Site code (e.g. LUQ) or name	site_code	WIS
location	Location name	location_name	UW-Madison Arboretum
location	Latitude (degrees)	lat	(Wingra Woods, Noe Woods; 43.046N, -89.426E and 43.038N, -89.441E, respectively) and two prairie (Curtis Prairie 1 and 3, 43.038N, -89.431E)
location	Treatment initiation	tx_start	C=Control, NL=No Litter, DL=Double Litter, A=A horizon removed, B=Bare soil, no input
location	Dominant plant species	plant	See reference publication
profile	Treatment_1_level	tx_L1	C=Control, NL=No Litter, DL=Double Litter, A=A horizon removed, B=Bare soil, no input

files processed:

type	filename
provided data	Wisconsin DIRT soil
homogenized data	Wisconsin DIRT soil_HMGZD

variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	Ca	Calcium	mmol kg-1	cmol H+ kg-1	10	converted
profile	Mg	Magnesium	mmol kg-1	cmol H+ kg-1	10	converted
profile	K	Potassium	mmol kg-1	cmol H+ kg-1	10	converted
profile	Na	Sodium	mmol kg-1	cmol H+ kg-1	10	converted
location	map	Mean Annual Precipitation	mm	mm		NOT converted
profile	lyr_n_tot	Bulk Layer Total Nitrogen concentration	%	percent		NOT converted
profile	lyr_soc	Bulk Layer Organic Carbon (CN analyzer) concentration, inorganic C removed or not present	%	percent		NOT converted
profile	layer_bot	Layer Bottom	cm	cm		NOT converted

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	layer_top	Layer Top	cm	cm		NOT converted

QC results: location data

location data checks passed

QC results: profile data, data range

profile data range checks passed

QC results: profile data, data type

profile data type checks passed