

Table

Table 1. Basic information and measured values of volcanic ejecta

No.	Collection place	Eruption date	Survey year and month	Distance from the crater (km)	Constitution	Fine volcanic ash deposition thickness (mm)	Volcanic gravel deposit thickness (mm)	Soil particles density (g/cm ³)	Final infiltration capacity (mm/h)	Ratio of silt and clay (%)	D ₅₀ (mm)
1	Outer forest plain	2017.10	2018.3.26	3.1	Mainly lapilli	0.8	30.0	2.68	91	8.7	1.3
2		-2018.4						2.70	74	8.2	1.2
3								2.71	184	9.0	1.1
4	Forest talus	2017.10	2018.3.26	3.1	Mainly lapilli	0.7	30.0	2.76	92	5.7	1.1
5		-2018.4						2.80	54	8.1	0.6
6								2.81	38	8.9	0.7
7	Forest plain	2017.10	2018.3.26	3.1	Mainly lapilli	1.0	N.D.	2.67	— ¹⁾	9.1	1.5
8		-2018.4						2.65	— ¹⁾	7.3	2.9
9								2.68	— ¹⁾	8.6	1.5

Note: 1) N.D. has no measured value

Table 2. Water-extracted ion amount and exchangeable base amount

Eruption date	From the eruption Period until sampling	Water extraction ion amount								Exchangeable base amount			ESP (%)
		Water-soluble sodium Na (mg/g)	Water-soluble potassium K (mg/g)	Water-soluble calcium Ca (mg/g)	Water-soluble magnesium Mg (mg/g)	Chloride Cl (mg/g)	Sulfate SO ₄ (mg/g)	Nitrate NO ₃ (mg/g)	Ammonium NH ₄ (mg/g)	Cation exchange capacity(CEC) (cmol/kg)	Exchangeable Ca (cmol/kg)	Exchangeable Na (cmol/kg)	
2017.10-2018.4	Next day	0.040	0.009	0.118	0.040	0.010	0.902	0.000	0.000	0.400	0.170	0.210	52.5