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1 **Table 1**

2 Weather parameters monitored by the Ultuna meteorological station 1st of May to 30th of September 2010.

Activity in trial ^d	Date	Temperature (°C) (\bar{x})	Precipitation (mm) (\bar{x})	Wind speed (m s ⁻¹) (\bar{x})
D1/S1	3 rd June	17.1	0.0	2.5
D2/S2	22 nd June	16.6	0.0	1.8
D3/S3	8 th July	20.6	0.0	3.0
D4/S4	19 th July	19.7	0.0	3.5
D5/S5	20 th August	14.1	0.0	1.3
D6/S6	2 nd September	9.5	0.0	3.6
	Seasonal annual mean	14.8	58.6	2.6

3 ^dD = Day of deposition, S = Day of sampling.

4

5 **Table 2**

6 Physical- and chemical characteristics of the topsoil (0-30 cm) at the site where the trial was laid out.

Soil parameter	
Particle size distribution:	
% clay (< 0.002 mm)	60
% silt (0.02 - 0.002 mm)	20
% sand (2 - 0.02 mm)	20
pH (H ₂ O)	6.5
Soluble cations (mg kg ⁻¹ soil)	
Ca	3692
K	202
P	57

7

8 **Table 3**

9 Composition of the calibration standard used in measurements on the HPGe-detectors, expanded uncertainty of 3%.

Energy (keV)	Nuclide
60	²⁴¹ Am
88	¹⁰⁹ Cd
122	⁵⁷ Co
166	¹³⁹ Ce
279	²⁰³ Hg
392	¹¹³ Sn
514	⁸⁵ Sr
605	¹³⁴ Cs
662	¹³⁷ Cs
796	¹³⁴ Cs
898	⁸⁸ Y
1173	⁶⁰ Co
1332	⁶⁰ Co
1836	⁸⁸ Y

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