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1 **Table 1**

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

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

3 <sup>d</sup>D = Day of deposition, S = Day of sampling.

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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 <sub>2</sub> O)	6.5
Soluble cations (mg kg <sup>-1</sup> 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	<sup>241</sup> Am
88	<sup>109</sup> Cd
122	<sup>57</sup> Co
166	<sup>139</sup> Ce
279	<sup>203</sup> Hg
392	<sup>113</sup> Sn
514	<sup>85</sup> Sr
605	<sup>134</sup> Cs
662	<sup>137</sup> Cs
796	<sup>134</sup> Cs
898	<sup>88</sup> Y
1173	<sup>60</sup> Co
1332	<sup>60</sup> Co
1836	<sup>88</sup> Y

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