

Table 12.2. Annual C mineralisation [kg C ha⁻¹ yr⁻¹] for each soil layer and site calculated from laboratory incubations, soil pools in the field (see Persson et al., Ch. 2, this volume) and corrected for soil temperature and moisture (Figure 12.4). Mean annual correction factors (c_C) used to extrapolate from laboratory to field temperature and moisture included. S.E. is approximately 10-20 % of the mean values. Where no FH layer was found, the 0-10 cm layer was subdivided into 0-5 (a) and 5-10 cm (b).

Soil layer	Åhe	Sko	Klo	Gri	Sor	Nac	Jez	Wal	Sch	AuP90	AuP45	AuF	The	Col	MdM
c_C	0.20	0.35	0.36	0.37	0.37	0.30	0.30	0.30	0.30	0.29	0.29	0.36	0.57	0.29	0.39
L	399	599	477	548	550	979	620	405	857	Incl FH	431	355	1249	818	1150
FH	577	1017	857	(a) 443	(a) 601	1059	833	607	514	639	454	232	(a) 794	(a) 539	(a) 641
0-10 cm	250	937	430	(b) 115	(b) 329	349	208	294	384	174	353	324	(b) 315	(b) 266	(b) 317
10-20 cm	56	285	211	168	296	147	63	201	212	33	66	83	368	219	404
20-30 cm	25	107	62	108	127	68	38	75	128	18	44	51	255	86	256
30-50 cm	22	86	62	162	261	55	62	49	n.e.	38	62	65	251	63	222
<i>Total</i>	<i>1330</i>	<i>3031</i>	<i>2099</i>	<i>1543</i>	<i>2165</i>	<i>2656</i>	<i>1854</i>	<i>1631</i>	<i>2095</i>	<i>902</i>	<i>1411</i>	<i>1109</i>	<i>3233</i>	<i>1992</i>	<i>2991</i>
% min. in LFH	73	53	64	36	25	77	78	62	65	71	63	53	39	41	38