

Supplementary file S2

Table S2. Plant cover in *Pteridium aquilinum* (sites BL, H1 and VI) and in *Molinia caerulea* (sites H2, H3, RE) plantation sites in Northern France, following site preparation (HE: herbicide application, RR: regional reference site preparation method., DS: deep scarifier, DS+MS: deep scarifier followed by multifunction subsoiler, C: untreated control), from 1 to 5 years after MSP. Multiple comparisons among site preparation treatments: within a line, treatments followed by the same letter do not differ.

Site	Year	Plant cover (%) according to treatment				
		HE	RR	DS	DS+MS	C
<u><i>P. aquilinum</i> sites :</u>						
BL	1	13.9 (a)	18.1 (a)	20.1 (a)	19.5 (a)	44.2 (b)
	2	58.3 (ab)	80.6 (bc)	37.3 (a)	35.3 (a)	97.2 (c)
	3	80.2 (b)	95.7 (b)	25.1 (a)	26.6 (a)	95.0 (b)
	4	67.1 (b)	83.3 (bc)	23.1 (a)	30.9 (a)	86.8 (c)
H1	1	44.4 (bc)	58.0 (c)	24.3 (ab)	9.9 (a)	76.3 (d)
	2	21.1 (a)	74.7 (bc)	61.5 (b)	27.3 (a)	94.7 (c)
	3	18.6 (a)	63.6 (bc)	58.5 (b)	29.9 (a)	80.1 (c)
	4	7.2 (a)	66.9 (c)	72.8 (c)	42.5 (b)	66.6 (bc)
	5	7.1 (a)	69.6 (bc)	73.7 (bc)	51.3 (b)	80.6 (c)
VI	1	79.6 (b)	82.1 (b)	27.7 (a)	24.3 (a)	83.7 (b)
	2	85.8 (ab)	96.7 (ab)	89.5 (ab)	82.0 (a)	95.6 (b)
	3	63.8 (ab)	70.6 (b)	65.3 (ab)	55.2 (a)	97.4 (c)
<u><i>M. caerulea</i> sites :</u>						
H2	1	30.5 (b)	63.8 (c)	40.3 (b)	16.1 (a)	83.1 (d)
	2	67.1 (b)	91.2 (c)	90.8 (c)	44.2 (a)	100.0 (c)
	3	47.7 (a)	92.3 (c)	80.6 (b)	44.9 (a)	98.9 (c)
	4	14.0 (a)	87.7 (cd)	77.9 (c)	57.2 (b)	95.6 (d)
	5	8.5 (a)	88.4 (c)	73.0 (b)	65.8 (b)	95.7 (c)
H3	1	34.7 (b)	70.8 (c)	44.8 (b)	16.7 (a)	88.1 (d)
	2	54.9 (a)	96.6 (bc)	80.8 (b)	48.4 (a)	99.0 (c)
	3	43.6 (a)	99.4 (c)	76.0 (b)	45.2 (a)	96.4 (c)
	4	11.6 (a)	85.9 (cd)	76.9 (c)	56.1 (b)	91.4 (d)
	5	9.0 (a)	91.2 (c)	72.5 (b)	68.0 (b)	92.4 (c)
RE	1	34.2 (b)	77.8 (c)	12.8 (a)	13.2 (a)	89.7 (d)
	2	32.9 (a)	95.6 (c)	52.3 (b)	44.9 (ab)	99.7 (c)
	3	46.6 (b)	95.4 (c)	29.6 (a)	32.8 (a)	99.1 (c)
	4	78.3 (b)	98.7 (c)	61.2 (a)	56.7 (a)	99.2 (c)