

Männistö E., Jetsonen J., Peltola H., Rouvinen T., Launiainen S., Laurén A., Palviainen M. (2026). Short-term impacts of nitrogen fertilization on the cover of vascular plant and bryophyte species in boreal Scots pine and Norway spruce stands. *Silva Fennica* vol. 60 no. 2 article id 25052. <https://doi.org/10.14214/sf.25052>

Supplementary file S10

Permutational multivariate analysis of variance results for pairwise comparisons of the ground vegetation species communities in the unfertilized (NoF) and fertilized (F) subplots over the three study years (2018, 2021, 2022) in the Scots pine stands. DF denotes degrees of freedom and SS the sums of squares. Statistically significant results are shown in bold text ($p \leq 0.05$).

Pairs	DF	SS	F	R2	adjusted <i>p</i>
NoF_2018 vs NoF_2021	1	0.90	7.41	0.07	0.015
NoF_2018 vs NoF_2022	1	1.82	12.50	0.11	0.015
NoF_2021 vs NoF_2022	1	0.64	4.17	0.04	0.015
F_2018 vs F_2021	1	2.71	17.72	0.08	0.015
F_2018 vs F_2022	1	3.77	23.11	0.10	0.015
F_2021 vs F_2022	1	0.67	3.75	0.02	0.045
NoF_2018 vs F_2018	1	0.22	1.69	0.01	1
NoF_2021 vs F_2021	1	0.58	3.74	0.02	0.03
NoF_2022 vs F_2022	1	0.51	2.78	0.02	0.12