

Table S1. Characteristics of species recovery at the experimental quadrats

Species and site	Experiment season	Kerosene exposure dose (g/kg)				
		1	5	10	25	100
<i>Athyrium filix-femina</i> (forest)	1	-	-	-	-	-
	2	1 new individual in one of the quadrats	-	-	-	-
	3	-	1-3 new individuals in the quadrat	1-3 new individuals in the quadrat	1-3 new individuals in the quadrat	-
<i>Ajuga reptans</i> (forest)	1	-	-	-	-	-
	2	Beginning of vegetative colonization by individuals at the periphery of 1 of 3 quadrats	-	-	Vegetative colonization by individuals at the periphery (2 of 3 quadrats)	Vegetative colonization by individuals at the periphery (2 of 3 quadrats)
	3	Beginning of vegetative colonization by individuals at the periphery of 2 of 3 quadrats	Beginning of vegetative colonization by individuals at the periphery of 2 of 3 quadrats; 1 individual of generative origin in 1 of 3 quadrats	Vegetative colonization by individuals at the periphery (2 of 3 quadrats)	Numerous high coverage individuals in 1 of 3 quadrats, site vegetative colonization at 1 of 3 quadrats, start of vegetative colonization at periphery of 1 of 3 quadrats	Numerous high coverage individuals (2 of 3 quadrats), site vegetative colonization (1 of 3 quadrats)
<i>Ledum palustre</i> (bog)	1	Minor discoloration of part of the leaves	Partial yellowing/browning of the leaves	Partial yellowing/browning of the leaves	Partial yellowing/browning of the leaves	Partial defoliation and partial yellowing/browning of leaves
	2	No change	Refoliation	Refoliation (2 of 3 quadrats); Partial defoliation (1 of 3 quadrats)	Partial defoliation at 2 of 3 quadrats, more severe defoliation at 1 of 3 quadrats	More severe defoliation
	3	Partial defoliation	No change	Noticeable defoliation	Refoliation	No change
<i>Chamaedaphne calyculata</i> (bog)	1	Minor discoloration of part of the leaves	Partial yellowing/browning of the leaves	Partial yellowing/browning of leaves, partial defoliation	Partial yellowing/browning of leaves, partial defoliation	Severe defoliation, partial yellowing/browning of leaves
	2	Growth of new shoots	Growth of new shoots	Growth of new shoots	Growth of new shoots	Partial refoliation and regrowth of shoots
	3	Continued growth of new shoots	Continued growth of new shoots	No change	No change	No change
<i>Vaccinium oxycoccos</i> (bog)	1	Partial yellowing/browning of leaves and partial defoliation; regrowth of new shoots in some individuals	New shoot regrowth in some of the individuals in 2 of 3 quadrats	New shoot regrowth in some of the individuals in 1 of 3 quadrats	New shoot regrowth in some of the individuals in 1 of 3 quadrats	-
	2	No change	Start of colonization by creeping shoots at the periphery of 1 of 3 quadrats	Start of colonization by creeping shoots at the periphery of 1 of 3 quadrats	-	-
	3	Partial regeneration of coverage through the growth of new shoots	Start of colonization by creeping shoots at the periphery of 2 of 3 quadrats	Start of colonization by creeping shoots at the periphery of 2 of 3 quadrats	Start of colonization by creeping shoots at the periphery of 1 of 3 quadrats	Start of colonization by creeping shoots at the periphery of 1 of 3 quadrats
<i>Eriophorum vaginatum</i> (bog)	1	New leaf growth in some of the individuals	-	-	-	-
	2	1-3 new individuals in 1 of 3 quadrats	-	-	-	-
	3	1-3 new individuals in 1 of 3 quadrats; more than 3 individuals in 1 of 3 quadrats	1 new individual in 1 of 3 quadrats	1-3 new individuals in 2 of 3 quadrats	-	-

Note: A dash (-) indicates total mortality in the first season and no recovery in the second and third seasons

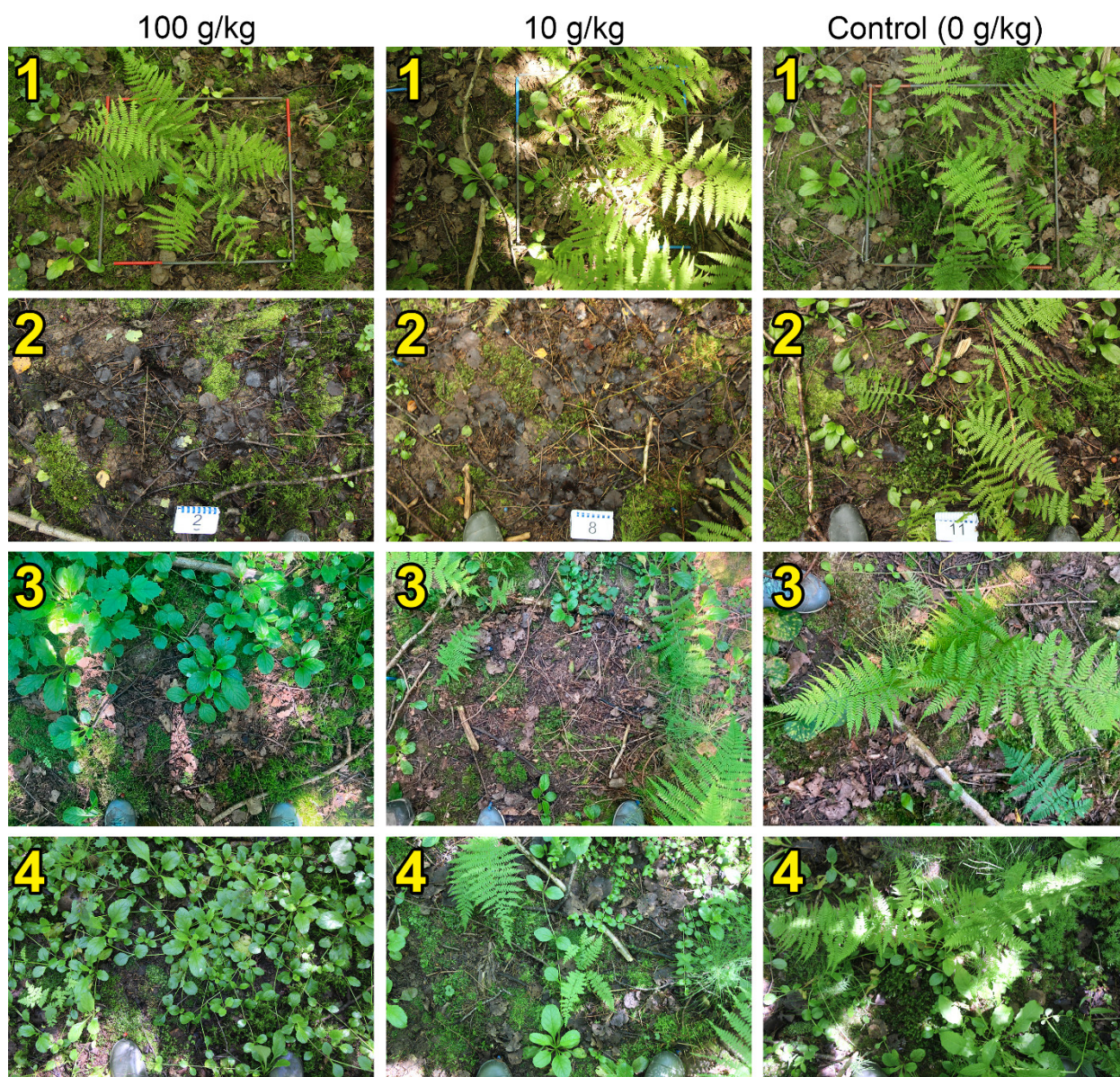


Figure S1. Dynamics of plants condition in experimental quadrats in forest community at maximum kerosene doses (100 g/kg), average doses (10 g/kg) and control: 1 – before treatment; 2 - first vegetation season (1 month after application); 3 - second vegetation season (1 year after application); 4 - third vegetation season (2 years after application).

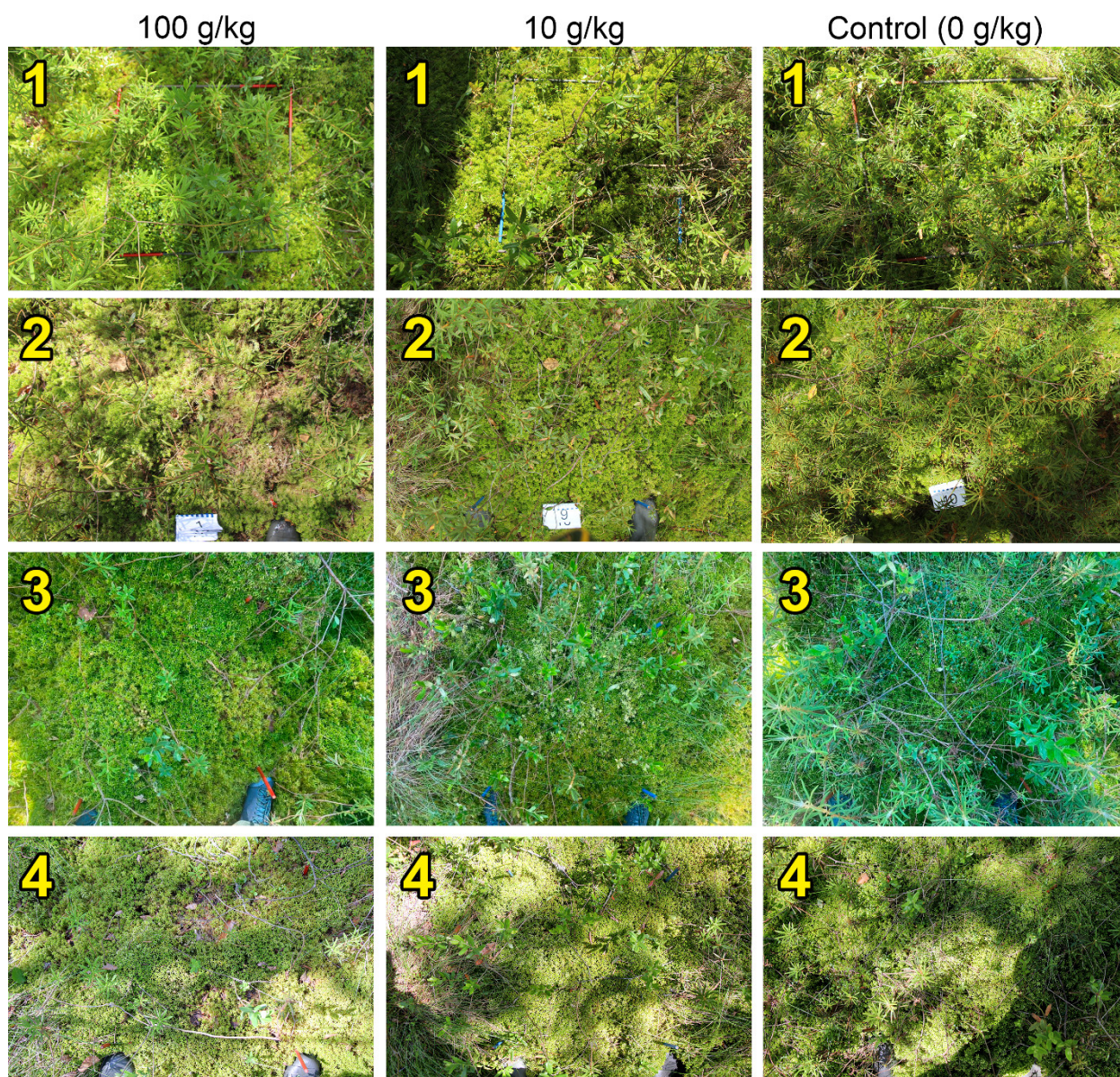


Figure S2. Dynamics of plants condition in experimental quadrats in bog community at maximum kerosene doses (100 g/kg), average doses (10 g/kg) and control: 1 – before treatment; 2 - first vegetation season (1 month after application); 3 - second vegetation season (1 year after application); 4 - third vegetation season (2 years after application).