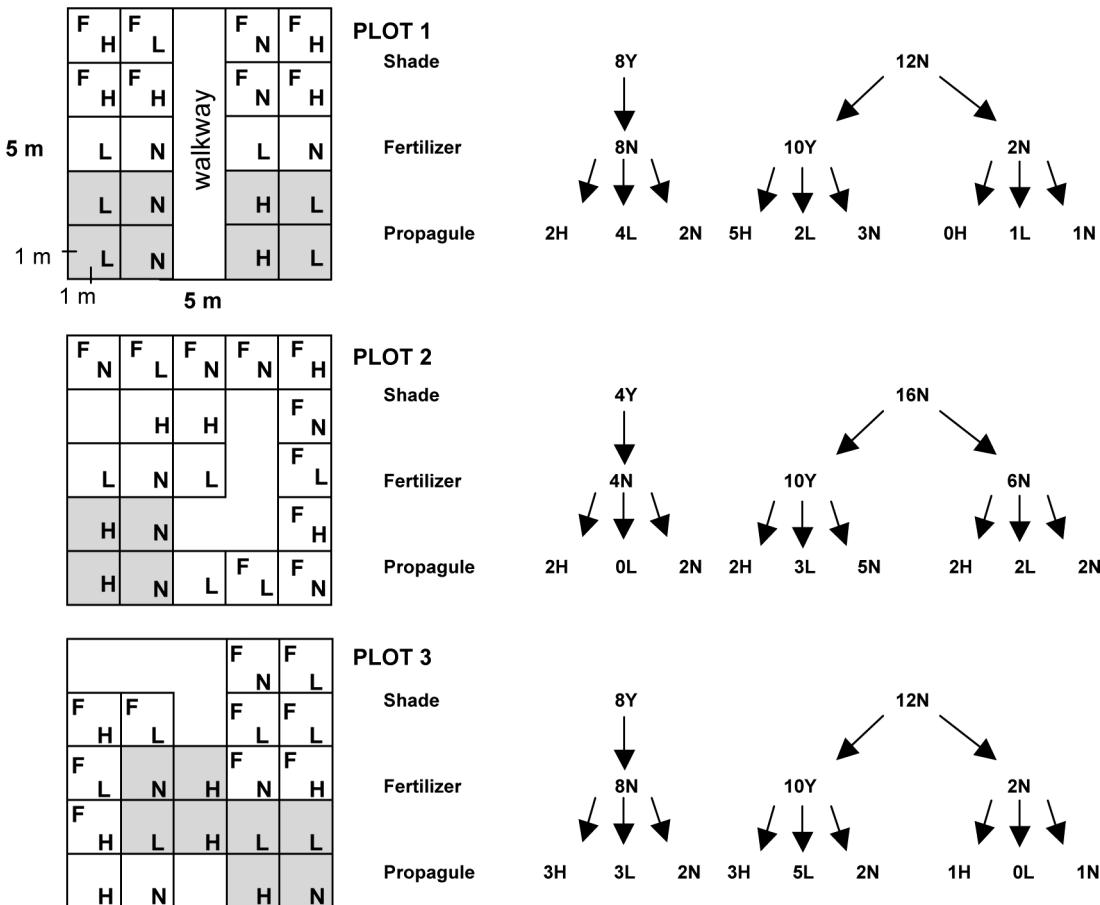


Appendix 1. The layout of the three 5×5 m experimental plots, with 60 1×1 m sub-plots. Resource treatments are fertilizer addition (F) and shading (grey sub-plots). Propagule pressure treatments are high (H), low (L), and control (no seed, N). Hierarchical allocation of treatments in each plot indicate whether shading or fertilizer was applied (Y = Yes, N = No), and the different levels of propagule pressure (H = high, L = low, N = none / control). Numbers preceding letters indicate number of sub-plots in plot receiving the respective treatment.



Appendix 2. Four-way ANOVA for effects of block, light availability, fertilizer (FA), propagule pressure (PP), and interactions between block and light, and FA and PP, on the percent cover of planted native species. FA and PP and the interaction between FA and PP were nested within light availability.

Effect	DF	F	p
block	2, 47	2.00	0.147
light	1, 47	3.32	0.075
fertilizer (FA)	1, 47	0.04	0.841
propagule (PP)	4, 47	0.56	0.695
block × light	2, 47	2.30	0.112
FA × PP	2, 47	0.02	0.984

Appendix 3. Correlation coefficients of maximum percent cover of individual plant species with ordination axes, and number of plots in which each species was found.

Species ¹	Code	North American nativity ¹	No. of plots	Axis 1 R	Axis 2 R
<i>Acer saccharum</i>	AcerSacc	native	5	0.360	0.159
<i>Ambrosia artemisiifolia</i>	AmbrArte	native	49	-0.423	-0.089
<i>Circaea lutetiana</i>	CircQuad	native	6	-0.039	-0.185
<i>Conyza canadensis</i>	ConyCana	native	44	-0.204	-0.066
<i>Eurybia schreberi</i>	EurySchr	native	3	-0.170	-0.030
<i>Fragaria virginiana</i>	FragVirg	native	5	-0.232	-0.049
<i>Fraxinus americana</i>	FraxAmer	native	4	0.158	0.148
<i>Geum laciniatum</i>	GeumLaci	native	59	-0.034	0.036
<i>Maianthemum canadense</i>	MaiaCana	native	26	0.077	-0.027
<i>Parthenocissus quinquefolia</i>	PartQuin	native	3	0.024	-0.058
<i>Pinus</i> spp.	PinuStro	native	3	-0.055	0.101
<i>Plantago major</i>	PlanMajo	native	54	-0.381	-0.353
<i>Polygonum lapathifolium</i>	PolyLapa	native	10	-0.215	-0.062
<i>Polygonum scabrum</i>	PolyScab	native	3	-0.192	-0.132
<i>Potentilla norvegica</i>	PoteNorv	native	18	0.028	0.038
<i>Prunus pensylvanica</i>	PrunPenn	native	4	0.026	-0.114
<i>Ranunculus abortivus</i>	RanuAbor	native	4	-0.399	0.186
<i>Rubus</i> spp.	Rubus	native	45	-0.095	-0.217
<i>Solidago</i> spp.	Solidago	native	23	-0.065	-0.207
<i>Symphytum ericoides</i>	SympEric	native	59	-0.162	0.151
<i>Trillium grandiflorum</i>	TrilGran	native	22	0.270	0.055
<i>Ulmus americana</i>	UlmuAmer	native	34	-0.012	-0.003
<i>Vitis</i> spp.	Vitis	native	5	-0.006	-0.081
<i>Anagallis arvensis</i>	AnagArve	non-native	28	-0.029	-0.092
<i>Cardus</i> spp.	Cardus	non-native	24	-0.295	0.126
<i>Daucus carota</i>	DaucCaro	non-native	15	-0.095	-0.132
<i>Echinochloa crus-galli</i>	EchiCrus	non-native	59	-0.428	0.453
<i>Galeopsis tetrahit</i>	GaleTetr	non-native	11	-0.093	0.009
<i>Hesperis matronalis</i>	HespMatr	non-native	53	0.518	0.663
<i>Leonurus cardiaca</i>	LeonCard	non-native	25	-0.499	0.419
<i>Medicago lupulina</i>	MediLupu	non-native	53	0.036	-0.109
<i>Melilotus officinalis</i>	MeliAlba	non-native	33	-0.126	0.075
<i>Oxalis europea</i>	OxalEuro	non-native	57	0.011	0.106
<i>Polygonum convolvulus</i>	PolyConv	non-native	34	0.056	-0.015
<i>Polygonum persicaria</i>	PolyPers	non-native	57	-0.552	0.143
<i>Rhamnus cathartica</i>	RhamCath	non-native	42	0.540	0.553
<i>Senecio vulgaris</i>	SeneVulg	non-native	8	-0.127	-0.154
<i>Setaria viridis</i>	SetaViri	non-native	37	-0.280	-0.140

<i>Silene vulgaris</i>	SileCucu	non-native	35	0.028	-0.190
<i>Sinapis arvensis</i>	SinaArve	non-native	30	-0.093	0.217
<i>Solanum dulcamara</i>	SolaDulc	non-native	29	0.089	0.066
<i>Sonchus arvensis</i>	SoncArve	non-native	19	0.048	-0.233
<i>Sonchus oleraceus</i>	SoncOler	non-native	27	-0.256	0.223
<i>Thlaspi arvense</i>	ThlaArve	non-native	44	-0.398	0.314
<i>Trifolium pratense</i>	TrifPrat	non-native	28	-0.087	-0.059
<i>Verbascum thapsus</i>	VerbThap	non-native	18	0.197	-0.335
<i>Viola arvensis</i>	ViolArve	non-native	24	-0.049	-0.132
<i>Chenopodium album</i>	ChenAlbu	cryptogenic	54	-0.142	0.272
<i>Geranium robertianum</i>	GeraRobe	cryptogenic	5	0.163	0.049
<i>Taraxacum officinale</i>	TaraOffi	cryptogenic	37	0.066	-0.075
<i>Urtica dioica</i>	UrtiDioi	cryptogenic	13	-0.102	0.015
<i>Vicia</i> spp.	Vicia	unknown	6	-0.210	-0.186

¹ USDA (2007).