

Appendix S1. Origin of *Centaurea stoebe* populations.

	Country/range	Site code	Longitude	Latitude
Europe		DE3	11°08'56.49" E	49°41'68.40" N
	Germany	DE4	10°63'14.38" E	49°99'36.74" N
		DE5	10°65'75.61" E	50°29'83.27" N
		Zetzwil	8°15'28.68" E	47°28'23.59" N
	Switzerland	Gortenschwil	8°14'25.04" E	47°28'07.87" N
		Bière	6°34'44.53" E	46°52'56.75" N

Appendix S2. Combination of species richness and functional richness used in experimental assemblages. G represents grass species; F represents forbs (cf. Table 1 for details).

Treatment	Community composition	Species richness	Functional richness
1	G _{1x} G _{1y}	2	1
2	G _{1x} G _{1y} F _{2a} F _{2b} F _{2c}	5	2
2	G _{1x} G _{1y} F _{3a} F _{3b} F _{3c}	5	2
2	G _{1x} G _{1y} F _{2x} F _{3x} F _{3y}	5	3
3	G _{1x} G _{1y} F _{1x} F _{1y} F _{2x} F _{2y}	6	3
3	G _{1x} G _{1y} F _{2x} F _{2y} F _{3x} F _{3y}	6	3
3	G _{1x} G _{1y} F _{1x} F _{1y} F _{2x} F _{3x}	6	4
3	G _{1x} G _{1y} F _{1x} F _{2x} F _{2y} F _{3x}	6	4
4	G _{1x} G _{1y} F _{1x} F _{1y} F _{2x} F _{2y} F _{3x} F _{3y}	8	4
5	G _{1x} G _{1y} F _{1a} F _{1b} F _{1c} F _{2a} F _{2b} F _{2c} F _{3x} F _{3y}	10	4
6	G _{1x} G _{1y} F _{1a} F _{1b} F _{1c} F _{2a} F _{2b} F _{2c} F _{3a} F _{3b} F _{3c}	11	4
7	G _{1a} G _{1b} G _{1c} F _{1a} F _{1b} F _{1c} F _{2a} F _{2b} F _{2c} F _{3a} F _{3b} F _{3c} F _{4a,b} F _{5a,b}	16	6

Note: Where specific species identity is not shown (i.e., where there is an “x” or “y” subscript denoting species identity), for each replicate of that treatment, the species was drawn at random from the pool of three species comprising that functional group.

Appendix S3. Plot layout. Invasive species, dominant native species, *C. stoebe* and uninvaded control were assigned randomly to each subplot.

