

Supplementary information to the paper:

Effects of surrounding landscape on the performance of *Solidago canadensis* L. and plant functional diversity on heavily invaded post-Agricultural wastelands

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Biological Invasions

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Online Resource 4 Comparison of AICc values calculated for generalised additive models testing for effects of landscape predictors (Agri – contribution of Agricultural areas, Settl – contribution of Settlements, Riv – Riv net length in areas surrounding study plots) on the percentage cover, and biomass of *Solidago canadensis* with the same sets of models, but containing the study region (Siedlce or Olkusz; Study.reg) as another predictor and null (intercept-only) models. Predictors in particular spatial scales were selected based on AICc values of preliminary single factor linear models. Numbers after hard spaces () included in predictor names are different buffers (100, 500, and 1000 m)

Response variable	Model	AICc
<i>S. canadensis</i> cover [%]	Null	428.074
	Riv_500 + Settl_1000 + Agri_1000 + Study.reg	428.020
	Riv_500 + Settl_1000 + Agri_1000	425.783
above ground biomass content [%]	Null	357.658
	Riv_500 + Settl_500 + Agri_500 + Study.reg	354.023
	Riv_500 + Settl_500 + Agri_500	338.333
leaf biomass content [%]	Null	272.882
	Riv_500 + Settl_1000 + Agri_500 + Study.reg	268.230
	Riv_500 + Settl_1000 + Agri_500	266.177
stem biomass content [%]	Null	297.395
	Riv_1000 + Settl_500 + Agri_500 + Study.reg	261.363
	Riv_1000 + Settl_500 + Agri_500	259.104
flower biomass content [%]	Null	281.044
	Riv_500 + Settl_1000 + Agri_500 + Study.reg	276.667
	Riv_500 + Settl_1000 + Agri_500	274.198
rhizome biomass content [%]	Riv_500 + Settl_100 + Agri_1000 + Study.reg	401.158
	Null	399.237
	Riv_500 + Settl_100 + Agri_1000	372.135