

Supporting materials

Riparian buffers in Agricultural Catchments Influence Spider Communities and Aquatic-Terrestrial Linkages

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Table S1. Spider family abundances per site and total collected. Abbreviations: Ay (Anyphaenidae), Ar(Araneidae), Cl(Clubionidae), Eu(Eutichuridae), Li(Linyphidae), Lo(Liocranidae), Ly(Lycosidae),OP(Opiliones), Ph(Philodromidae), Pi(Pisauridae), Sa(Salticidae), Sp(Sparassidae), Tr(Tetragnathidae), Th(Theridiidae), To(Thomisidae).

Site name	Site type	Ay	Ar	Cl	Eu	Li	Lo	Ly	OP	Ph	Pi	Sa	Sp	Tr	Th	To
ALO_AGR	AGR	0	0	0	0	10	0	9	5	0	0	0	0	2	3	0
BUR_AGR	AGR	0	0	2	0	7	0	33	8	0	2	0	0	4	0	0
HAG_AGR	AGR	0	0	1	0	0	0	3	5	0	1	0	0	5	5	0
JUM_AGR	AGR	0	0	0	0	2	0	36	0	0	1	0	0	1	2	0
LAN_AGR	AGR	0	1	1	0	18	0	3	5	0	0	0	0	6	8	0
LIS_AGR	AGR	0	0	0	0	5	0	27	0	2	7	0	0	5	2	3
NAR_AGR	AGR	0	3	0	0	21	0	6	1	2	12	0	0	6	2	0
ORS_AGR	AGR	0	0	0	0	44	0	7	3	0	0	0	0	13	1	0
SKA_AGR	AGR	0	0	1	0	4	0	26	6	0	0	0	0	2	1	0
TEM_AGR	AGR	0	2	0	1	19	0	4	2	1	10	2	5	1	4	2
ALO_FBF	FBF	0	0	1	0	11	1	4	5	0	0	0	0	2	1	0
BUR_FBF	FBF	0	1	0	0	28	0	16	1	0	0	0	0	5	0	0
HAG_FBF	FBF	0	1	0	0	16	0	0	3	0	0	0	0	1	1	0
JUM_FBF	FBF	0	1	0	0	16	0	1	1	0	0	0	0	1	3	0
LAN_FBF	FBF	0	0	0	0	51	3	1	4	0	0	0	0	7	4	1
LIS_FBF	FBF	0	2	0	0	49	0	2	1	1	0	0	0	3	1	0
NAR_FBF	FBF	0	2	1	0	46	0	6	2	0	0	0	0	2	2	0
ORS_FBF	FBF	1	0	0	0	61	0	14	3	0	0	0	0	23	0	0
SKA_FBF	FBF	0	0	0	0	40	0	2	1	0	1	0	0	6	0	0
TEM_FBF	FBF	0	1	0	0	76	0	0	1	0	1	0	0	11	1	0
DAL_FOR	FOR	0	0	0	0	15	3	1	9	0	0	0	0	1	0	0
FIB_FOR	FOR	0	0	0	0	19	1	4	1	1	0	0	0	9	2	1
GRA_FOR	FOR	0	0	0	0	18	1	4	5	0	1	1	0	4	0	2
LAF_FOR	FOR	0	0	0	0	17	2	48	1	0	0	0	0	8	1	0
OVE_FOR	FOR	0	2	1	0	16	2	10	4	0	0	0	0	5	0	0

TOTAL	1	16	8	1	609	13	267	77	7	36	3	5	133	44	9
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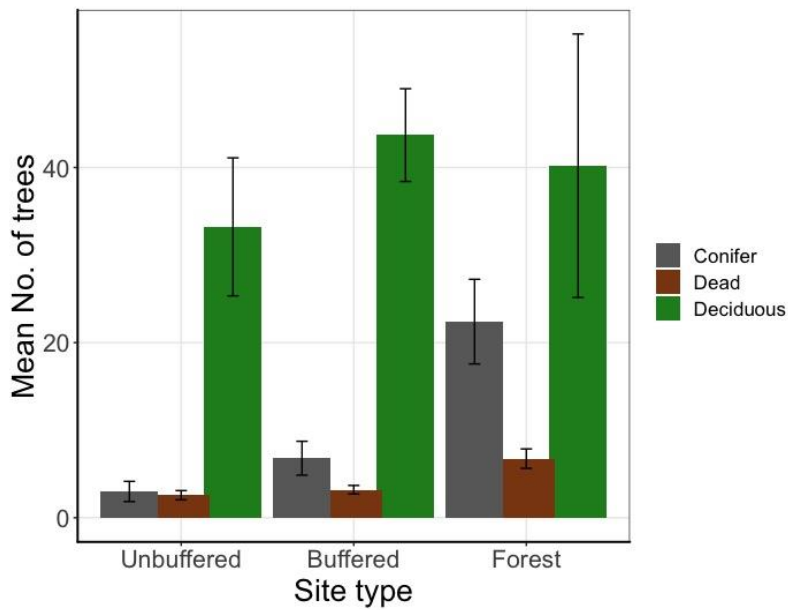


Figure S1. Mean number \pm SE (per 300 m²) of the tree groups dead, deciduous and conifer found per site type.

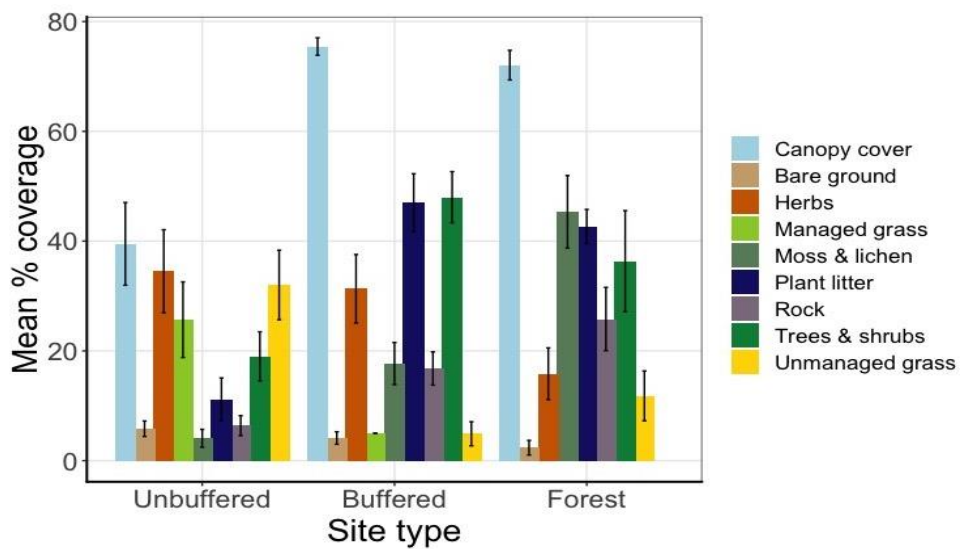


Figure S2. Mean percent coverage \pm SE (per 300 m²) of different habitat types found in unbuffered sites, buffered sites and forest sites.

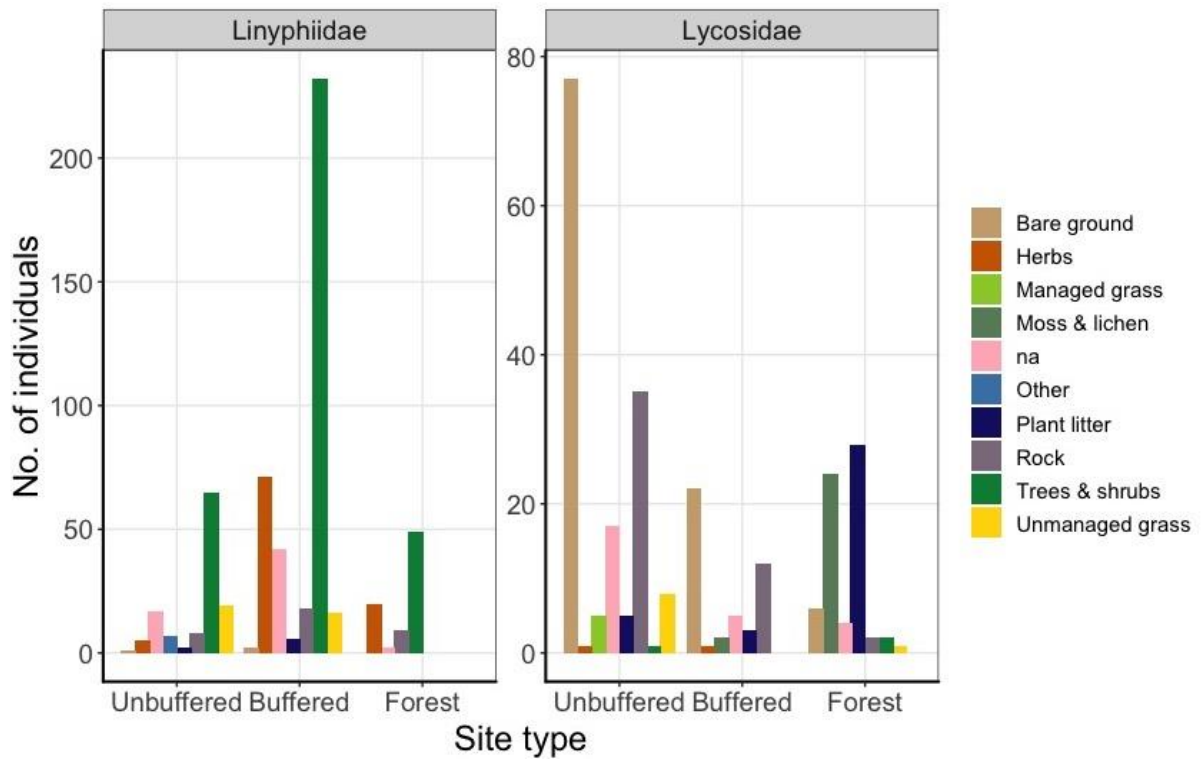


Figure S3. Total number of Linyphiidae and Lycosidae collected in different habitats per site type. Na indicates individual for which habitat information was not available (the habitat the individual was occupying at the time of sampling was unclear). Note: different scales on the y-axes.

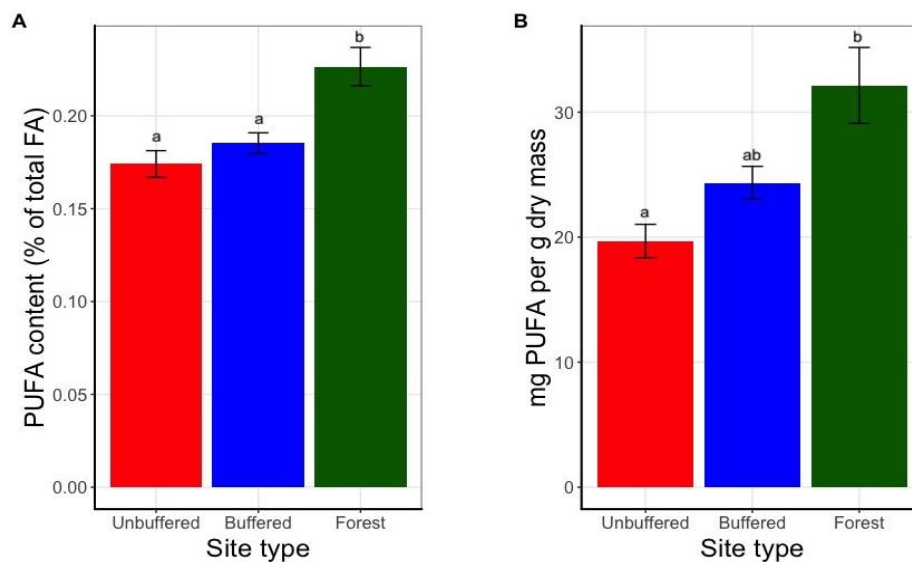


Figure S4. Mean PUFA content \pm SE per site type for (A) percentage of total FA and (B) mg per g dry mass. Letters above the bars denote homogenous subsets based on Tukey's post-hoc testing of differences among groups. Note: different scales on y-axes.

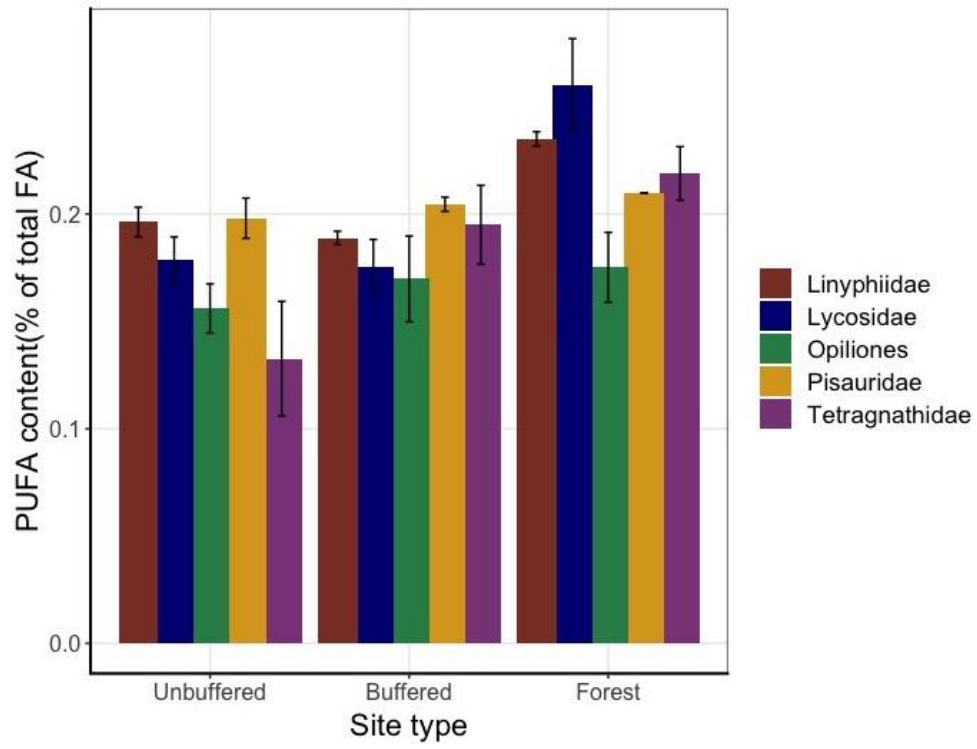


Figure S5. Mean \pm SE of PUFA content as a percentage of total FA per spider family and site type.

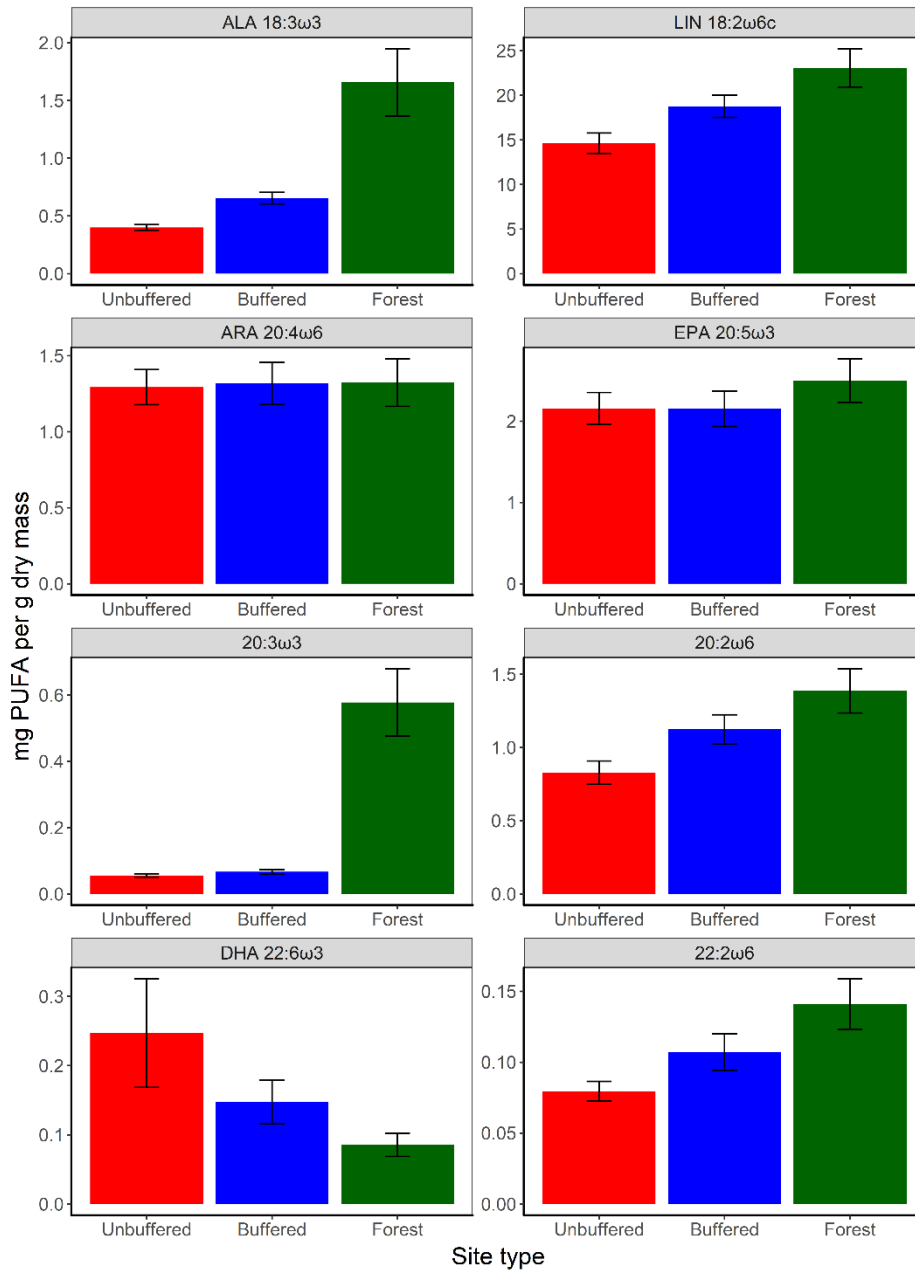


Figure S6. Mean \pm SE spider PUFA content per site type of eight specific PUFAs. Note: different scales on the y-axis.

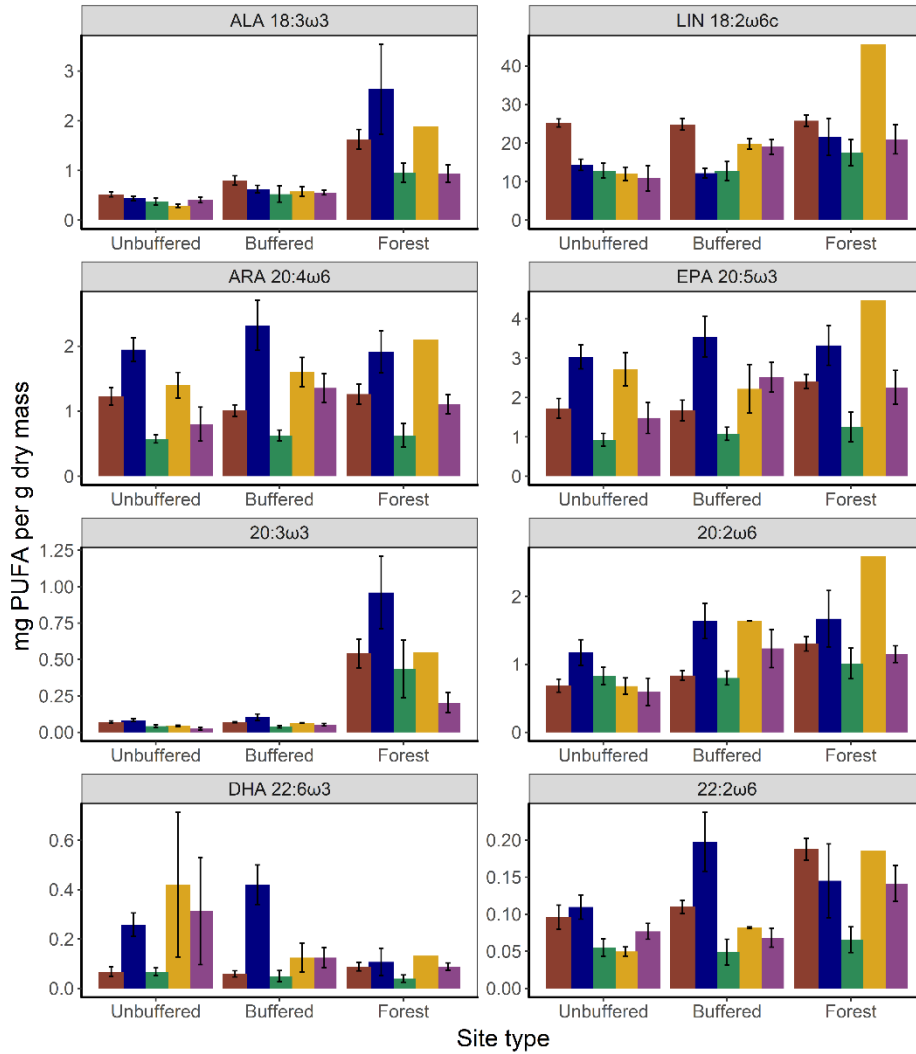


Figure S7. Mean \pm SE PUFA content per spider family and site type, for eight specific PUFAS. Dark red: Linyphiidae, Blue: Lycosidae, Green: Opiliones, Yellow: Pisauridae, Pink: Tetragnathidae. Note: different scales on the y-axes.