

Meier T., Hensen I. & Partzsch M. (2022) Effects of nitrogen addition and above-ground biomass removal on the growth and interactions between species of xerothermic grasses. – Preslia 94: 607–629.

Supplementary Table S3. – Results of the two-way ANOVA of above-ground biomass, plant height, SLA, LNC and RII in the competition experiments: *Bromus erectus* in combination with 1) *Brachypodium pinnatum*, 2) *Stipa capillata* and 3) *S. tirsata* in the first year (nutrient condition: nutrient poor/ nutrient rich; species composition: 9, 6:3, 3:6). Degrees of freedom (df), F-values and error probabilities (* p < 0.05, ** p < 0.1, *** p < 0.001) are given. Abbreviations: NC = nutrient condition; SC = species composition; E = Error; ns = not significant.

Source of variation	biomass [g]			plant height [cm]			SLA [mm ² /mg]			LNC [%]			RII		
	df	F	p	df	F	p	df	F	p	df	F	p	df	F	p
1) <i>B. erectus</i> in combination with <i>B. pinnatum</i>															
<i>B. erectus</i>															
NC	1	28.05	***	1	25.70	***	1	2.65	ns	1	9.44	**	1	81.90	***
SC	2	1.67	ns	2	0.05	ns	2	0.54	ns	2	1.55	ns	2	1.69	ns
NC x SC	2	1.41	ns	2	3.69	*	2	0.10	ns	2	1.21	ns	2	0.61	ns
E	42			90			90			90			42		
<i>B. pinnatum</i>															
NC	1	17.90	***	1	23.06	***	1	0.75	ns	1	1.50	ns	1	217.68	***
SC	2	7.14	**	2	5.39	**	2	2.05	ns	2	1.42	ns	2	7.98	**
NC x SC	2	1.15	ns	2	1.87	ns	2	0.57	ns	2	0.93	ns	2	5.01	*
E	42			90			90			86			42		
2) <i>B. erectus</i> in combination with <i>S. capillata</i>															
<i>B. erectus</i>															
NC	1	37.75	***	1	17.83	***	1	1.03	ns	1	7.10	**	1	133.22	***
SC	2	37.31	***	2	1.93	ns	2	2.84	ns	2	0.85	ns	2	70.93	***
NC x SC	2	0.43	ns	2	1.79	ns	2	0.26	ns	2	1.79	ns	2	1.89	ns
E	42			90			90			90			42		
<i>S. capillata</i>															
NC	1	0.49	ns	1	0.28	ns	1	0.47	ns	1	6.65	*	1	6.35	*
SC	2	12.19	***	2	0.97	ns	2	6.72	**	2	0.38	ns	2	6.97	**
NC x SC	2	0.36	ns	2	0.02	ns	2	1.25	ns	2	0.19	ns	2	2.66	ns
E	41			89			89			77			41		
3) <i>B. erectus</i> in combination with <i>S. tirsata</i>															
<i>B. erectus</i>															
NC	1	89.51	***	1	39.79	***	1	12.68	***	1	21.39	***	1	242.00	***
SC	2	117.63	***	2	0.31	ns	2	4.74	*	2	0.19	ns	2	145.19	***
NC x SC	2	8.71	***	2	0.23	ns	2	0.23	ns	2	1.91	ns	2	15.93	***
E	42			90			90			90			42		
<i>S. tirsata</i>															
NC	1	5.04	*	1	14.02	***	1	7.54	**	1	26.84	***	1	40.43	***
SC	2	34.05	***	2	27.88	***	2	18.36	***	2	1.52	ns	2	19.58	***
NC x SC	2	0.17	ns	2	0.03	ns	2	0.25	ns	2	1.20	ns	2	3.61	*
E	40			83			83			72			40		