**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. tirsa* 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) *B. erectus* in combination with *B. pinnatum*** | | | | | | | | | | | | | | | |
| *B. erectus* | | | | | | | | | | | | | | | |
| 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 | | |
| *B. pinnatum* | | | | | | | | | | | | | | | |
| 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) *B. erectus* in combination with *S. capillata*** | | | | | | | | | | | | | | | |
| *B. erectus* | | | | | | | | | | | | | | | |
| 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 | | |
| *S. capillata* | | | | | | | | | | | | | | | |
| 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) *B. erectus* in combination with *S. tirsa*** | | | | | | | | | | | | | | | |
| *B. erectus* | | | | | | | | | | | | | | | |
| 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 | | |
| *S. tirsa* | | | | | | | | | | | | | | | |
| 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 | | |