**Supplementary Table S1.** Analysis results for reduced models of the effect of Mowing (0, 3 or 6x) on *Vincetoxicum rossicum* densities and growth over six yearsa.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Factor | Stems m-2 | | | | Canopy height | | Root crowns 0.0625 m-2 | | | | | |
|  | <10 cm | | >10 cm | |  | | Small | | Medium | | Large | |
| Mow (M) | 3.602,15.4 | 0.052 | 7.432,72 | **0.001** | 165.452,7.51 | **<0.001** | 10.092,72 | **<0.001** | 1.742,96 | 0.181 | 77.352,48 | **<0.001** |
| Year (Y) | 7.866,58.5 | **<0.001** | 15.066,72 | **<0.001** | 15.722,10.4 | **<0.001** | 40.686,72 | **<0.001** | 5.386,96 | **<0.001** | 108.504,48 | **<0.001** |
| M\*Y | 2.4112,61.3 | **0.013** | 5.8812,72 | **<0.001** | 9.684,11.7 | **0.001** | 3.512,72 | **<0.001** | -- | -- | 8.427,48 | **<0.001** |

a Values given under each plant parameter are: F-value with subscripted numerator and denominator degrees of freedom and P-value. For each plant parameter, non-significant interaction terms (P>0.05) were iteratively removed beginning with the full model.

**Supplementary Table S2.** Analysis results for reduced models of the effect of Mowing (0, 3 or 6x) on percent ground cover for *Vincetoxicum rossicum* and other categories over six yearsa.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Factor | % *Vincetoxicum rossicum* | | % Broad-leaf | | % Grass | | % Woody | | % Bare ground | |
| Mow (M) | 19.692,7.78 | **<0.001** | 6.722,7.78 | **0.002** | 3.672,11.8 | 0.058 | 0.702,25.6 | 0.508 | 0.422,7.41 | 0.674 |
| Year (Y) | 2.725,45.1 | **0.031** | 10.025,45.8 | **<0.001** | 1.995,52.5 | 0.096 | 1.035,69.9 | 0.408 | 9.315,53.3 | **<0.001** |
| M\*Y | 2.7610,47.2 | **0.009** | 2.6010,47.8 | **0.013** | -- | -- | -- | -- | -- | -- |

a Values given under each plant parameter are: F-value with subscripted numerator and denominator degrees of freedom and P-value. For each plant parameter, non-significant interaction terms (P>0.05) were iteratively removed beginning with the full model.