S1. Summary of GLMMs of native percent cover, total cover, and species richness in response to treatment. Native cover and total cover were modeled with a negative binomial due to overdispersion, while species richness was modeled with a Poisson distribution (link=log). Significance of factors is indicated by the superscripts.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Coefficient | SE | Z | P |
| GLMM for nativecover Oct 2014 |
| Intercept (Control) a | 1.83 | 0.57 | 3.18 | 0.0015 |
| Reference a | 0.39 | 0.38 | 1.02 | 0.31 |
| GLMM for totalcover Oct 2014 |
| Intercept (Control) a | 4.40 | 0.37 | 11.98 | < 0.0001 |
| Reference b | -1.88 | 0.53 | -3.57 | 0.00036 |
| GLMM for species richness Oct 2014  |
| Intercept (Control) a | 0.89 | 0.17 | 5.31 | < 0.0001 |
| Herbicide a | -0.072 | 0.19 | -0.38 | 0.71 |