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 | |