S2: Summary of GLMMs with negative binomial distribution of *E. erecta* percent cover in response to treatment. Significance of factors is indicated by the superscripts and was determined by releveling factors.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Coefficient | SE | Z | P |
| GLMM for *E. erecta* cover Dec 2012 (Pre-treatment) |
| Intercept (Control) a | 3.78 | 0.29 | 13.17 | < 0.0001 |
| Herbicide a | -0.10 | 0.35 | -0.29 | 0.77 |
| Pull b | 1.05 | 0.35 | 3.01 | 0.0026 |
| GLMM for *E. erecta* cover Jan/Feb 2013 (1-2 months following treatment) |
| Intercept (Control) a | 3.71 | 0.24 | 15.74 | < 0.0001 |
| Herbicide b | -1.17 | 0.31 | -3.73 | 0.00019 |
| Pull c | -3.05 | 0.33 | -9.14 | < 0.0001 |
| GLMM for *E. erecta* cover Oct 2014 (22 months following treatment) |
| Intercept (Control) a | 3.90 | 0.69 | 5.66 | < 0.0001 |
| Herbicide b | -3.70 | 0.78 | -4.74 | < 0.0001 |
| Pull c | -1.40 | 0.71 | -1.97 | 0.049 |