|  |  |  |  |
| --- | --- | --- | --- |
| **Moderators** | **Heterogeneity Explained (QM)**  **/ *p*-value** | **Residual**  **Heterogeneity (QE)**  **/ *p*-value** | **Model AIC** |
| none |  | 215.02 / < 0.0001 | 214.16 |
| precipitation | 0.35 / 0.553 | 214.67 / < 0.0001 | 215.81 |
| location | 88.89 / < 0.0001 | 126.14 / < 0.0001 | 127.27 |
| regime | 41.98 / < 0.0001 | 173.05 / < 0.0001 | 174.19 |
| precipitation + regime | 92.67 / < 0.0001 | 122.36 / < 0.0001 | 127.50 |
| precipitation + location | 93.48 / < 0.0001 | 121.55 / < 0.0001 | 124.69 |
| regime + location | 118.30 / < 0.0001 | 96.73 / < 0.0001 | 101.87 |
| precipitation \* regime | 134.47 / < 0.0001 | 80.55 / < 0.0001 | 89.69 |
| precipitation \* location | 100.45 / < 0.0001 | 114.59 / < 0.0001 | 119.72 |
| regime \* location | 122.15 / < 0.0001 | 92.87 / < 0.0001 | 102.01 |
| precipitation + regime + location | 118.32 / < 0.0001 | 96.70 / / < 0.0001 | 103.84 |
| full model | 148.90 / < 0.0001 | 66.13 / < 0.0001 | 79.26 |

***Table A1***: Models of effect size using different combinations of moderators, with and without an interaction.

Figure A1 - High Res.tiff

***Figure A1***: Interaction between native forb effect size under different grazing regimes with precipitation. Weighted least squares regression lines estimated for continuous, dry and wet-season grazing are 0.0011x - 0.8763, 3.2847 - 0.0041x and 0.2781 - 0.0004x, respectively. Dry and wet-season grazing were significantly different from continuous grazing at *p* < 0.001 (Z = -5.7913 and -3.4625, respectively) using a fixed-effects linear model.