**Table 4.** Pattern\*treatment Post hoc test results. *df* = infinite. Density refers to quantity of individual germination events. Biomass was measured in grams. Establishment data was collected at week 4 and final data was collected at week 8.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Pattern** | **treatment** | **emmean** | **SE** | **df** | **z ratio** | **p value** |
| **Establishment:**  **B. rubens Density** |  |  |  |  |  |  |  |
|  | clumped | Brome monoculture | 1.100 | 1.24\*10-1 | Inf | 8.872 | < 0.0001 |
|  | dispersed | Brome monoculture | 0.624 | 1.62\*10-1 | Inf | 3.863 | 0.0001 |
|  | clumped | Mixture | -95.792 | 1.43\*104 | Inf | -0.007 | 0.9946 |
|  | dispersed | Mixture | -2.571 | 8.78\*10-1 | Inf | -2.929 | 0.0034 |
| **Final:**  **B. rubens Density** |  |  |  |  |  |  |  |
|  | clumped | Brome monoculture | 1.102 | 1.30\*10-1 | Inf | 8.487 | < 0.0001 |
|  | dispersed | Brome monoculture | 0.592 | 1.75\*10-1 | Inf | 3.393 | 0.0007 |
|  | clumped | Mixture | -95.982 | 1.47\*104 | Inf | -0.007 | 0.9948 |
|  | dispersed | Mixture | -2.649 | 9.41\*10-1 | Inf | -2.813 | 0.0049 |
| **B. rubens Biomass** |  |  |  |  |  |  |  |
|  | clumped | Brome monoculture | 0.06744 | 7.34\*10-3 | Inf | 9.184 | < 0.0001 |
|  | dispersed | Brome monoculture | 0.03857 | 7.34\*10-3 | Inf | 5.253 | < 0.0001 |
|  | clumped | Mixture | 0.00974 | 7.04\*10-3 | Inf | 1.383 | 0.1668 |
|  | dispersed | Mixture | 0.01631 | 7.04\*10-3 | Inf | 2.315 | 0.0206 |