Table 3. Current year (2011) standing crop biomass (kg/ha) comparisons between summer grazed (GS) and non-grazed (Control) and between winter grazed (NGS) and non-grazed (Control) treatments for vegetation functional groups in 2011, four years after prairie dogs were controlled on study sites.

|  |  |
| --- | --- |
| Functional Group | Biomass (kg/ha) |
| Summer Grazed Treatment | Winter Grazed Treatment |
| Grazed | Non-Grazed | P | Grazed | Non-Grazed | P |
| Total species | 2100 | 2757 | 0.0164 | 1945 | 2202 | 0.0035 |
| Native Species | 1876 | 2462 | 0.0193 | 1447 | 1718 | 0.0591 |
| Introduced Species | 225 | 296 | 0.1212 | 498 | 484 | 0.4612 |
| Native perennials | 1841 | 2422 | 0.0198 | 1410 | 1700 | 0.0481 |
|  Native perennial grasses | 1808 | 2366 | 0.0252 | 1376 | 1686 | 0.0367 |
|  Native perennial forbs | 32 | 55 | 0.0342 | 34 | 13 | 0.0765 |
| Native annuals | 34 | 40 | 0.2247 | 36 | 18 | 0.1146 |
|  Native annual grasses | 2 | 0 | 0.0410 | 2 | 0 | 0.0389 |
|  Native annual forbs | 33 | 39 | 0.2471 | 34 | 18 | 0.1312 |
| Introduced perennials | 0 | 0 | ns | 94 | 12 | 0.1761 |
|  Introduced perennial grasses | 0 | 0 | ns | 66 | 0 | 0.1733 |
|  Introduced perennial forbs | 0 | 0 | ns | 27 | 12 | 0.1881 |
| Introduced annuals | 225 | 295 | 0.1231 | 405 | 472 | 0.2922 |
|  Introduced annual grasses | 68 | 90 | 0.1103 | 353 | 428 | 0.2555 |
|  Introduced annual forbs | 157 | 206 | 0.1980 | 52 | 44 | 0.3140 |

Table 4. Current year (2011) standing crop biomass (kg/ha) comparisons between active prairie dog towns (Active), towns controlled for 4 years and summer grazed (GS), towns controlled for 4 years and winter grazed (NGS), towns controlled for 9 years (9 Year), and towns controlled for ≥25 years (25+ Year) for vegetation functional groups in 2011.

|  |  |
| --- | --- |
| Functional Group | Biomass (kg/ha) |
| Active | GS | NGS | 9 Year | 25+ Year |
| Total species | 978 | 2100 | 1945 | 3397 | 2598 |
| Native Species | 827 | 1876 | 1447 | 3153 | 2354 |
| Introduced Species | 151 | 225 | 498 | 244 | 243 |
| Native perennials | 800 | 1841 | 1410 | 3147 | 2353 |
|  Native perennial grasses | 680 | 1808 | 1376 | 3011 | 2303 |
|  Native perennial forbs | 120 | 32 | 34 | 136 | 51 |
| Native annuals | 27 | 34 | 36 | 6 | 1 |
|  Native annual grasses | 0 | 2 | 2 | 6 | 0 |
|  Native annual forbs | 30 | 33 | 34 | 0 | 1 |
| Introduced perennials | 94 | 0 | 94 | 0 | 0.0 |
|  Introduced perennial grasses | 94 | 0 | 66 | 0 | 0 |
|  Introduced perennial forbs | 0 | 0 | 27 | 0 | 0 |
| Introduced annuals | 57 | 225 | 405 | 244 | 243 |
|  Introduced annual grasses | 5 | 68 | 353 | 54 | 238 |
|  Introduced annual forbs | 52 | 157 | 52 | 198 | 5 |