**Impacts and Contributions/Outcomes**

Table 1. Results of *t* -tests conducted on nest-site vegetative characteristics between high and low ventenata sites. Variables were calculated by averaging the four transects for each nest box.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | | High Ventenata | Low Ventenata | *P*-value |
| ­± SE | ­± SE |
| Ventenata cover (%) | | 0.53 ± 0.02 | 0.04 ± 0.008 | <0.0001 |
| Grass cover (%) | | 0.10 ± 0.01 | 0.76 ± 0.02 | <0.0001 |
| Forb cover (%) | | 0.23 ± 0.02 | 0.15 ± 0.02 | 0.0051 |
| Weed cover (%) | | 0.14 ± 0.02 | 0.05 ± 0.01 | <0.0001 |
| Vegetation height (dm) | | 1.48 ± 0.07 | 3.46 ± 0.3 | <0.0001 |
| Total plant diversity | Shannon-Wiener  Diversity Index | 1.43 ± 0.05 | 1.14 ± 0.05 | <0.0001 |
| Simpson Reciprocal  Diversity Index | 0.78 ± 0.02 | 0.56 ± 0.02 | <0.0001 |

Table 2. Average number of individuals per trap period. The 0-3 mm size class is expressed as number of insects per 100 sq. cm. All other size classes are represented as the number of insects per 500 sq. cm.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Trapping  Period | Ventenata  Cover | Size Classes (mm) | | | |
| 0-3 | 3-5 | 5-10 | 15+ |
| 1 | Low | 39.2 | 1.8 | 1.4 | 0.6 |
| High | 38.8 | 2.8 | 1.3 | 0.4 |
| 2 | Low | 33.3 a | 2.0 | 1.8 b | 0.1 |
| High | 21.8 a | 1.3 | 0.8 b | 0.1 |
| 3 | Low | 85.7 a | 7.2 a | 0.7 | 0.0 |
| High | 48.8 a | 1.7 a | 0.8 | 0.2 |

a Indicates a significant difference between high and low ventenata sites at α = 0.05.

b Indicates a significant difference between high and low ventenata sites at α = 0.1.

Table 3. Nest-site characteristics of nest box averages comparing high and low ventenata sites. Mean and standard error reported.

|  |  |  |  |
| --- | --- | --- | --- |
| Variables | High Ventenata  (*n*=56)  ­­­­­­­­± SE | Low Ventenata  (*n*=60)  ± SE | *P*-value |
| Clutch Number | 5.41 ± 0.14 | 5.50 ± 0.12 | 0.06 |
| Brood Number a | 3.98 ± 0.26 | 4.73 ± 0.17 | 0.02 |
| Fledge Number a | 2.30 ± 0.27 | 3.38 ± 0.26 | 0.005 |
| Non-viable eggs (%) a | 0.20 ± 0.04 | 0.12 ± 0.02 | 0.12 |
| Mortality (%) | 0.27 ± 0.05 | 0.24 ± 0.05 | 0.7 |
| Hatching Asynchrony (%) a | 0.61 ± 0.02 b | 0.70 ± 0.02 b | 0.001 |

a Indicates variable means are significantly different between years at the α = 0.1 level.

b Sample size is 36 for high and 54 for low ventenata sites.