|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Response Metric** | **Model** | **Estimate** | **Standard Error** | **T/Z Value** | **P**  **Value** | **AICc** |
| Abundance | Humidity | 0.036 | 0.01 | 3.543 | <0.001 | 194.04 |
| Humidity +  Temperature | 0.031 | 0.013 | 2.673 | 0.008 | 196.86 |
| -0.011 | 0.012 | -0.890 | 0.374 |
| Humidity +  Site Type | 0.036 | 0.010 | 3.599 | <0.01 | 197.03 |
| -0.098 | 0.121 | -0.813 | 0.416 |
| Humidity × Temperature | 0.003 | 0.002 | 1.782 | 0.075 | 198.44 |
| NULL | 5.834 | 0.079 | 73.97 | ---- | 199.09 |
| Humidity × Site Type | -0.014 | 0.027 | -0.538 | .591 | 201.12 |
| Diversity | Humidity | -0.015 | 0.004 | 3.666 | 0.003 | -22.23 |
| Humidity  + Site Type | 0.015 | 0.004 | 3.570 | 0.586 | -18.97 |
| 0.029 | 0.052 | 0.558 | 0.586 |
| Humidity × Site Type | -0.001 | 0.012 | -0.076 | 0.941 | -14.61 |
| NULL | 2.518 | 0.034 | 74.03 | --- | -14.54 |
| Richness | No. Purple Flowers | -0.007 | 0.003 | -2.098 | 0.036 | 96.07 |
| NULL | 3.424 | 0.045 | 75.87 | --- | 97.95 |
| No. Purple Flowers  + Site Type | -0.007 | 0.003 | -2.086 | 0.037 | 99.14 |
| 0.006 | 0.091 | 0.067 | 0.947 |
| No. Purple Flowers × Site Type | 0.007 | 0.009 | 0.811 | 0.417 | 102.12 |
| Hymenoptera Abundance | Temperature | -0.034 | 0.013 | -2.646 | 0.008 | 145.32 |
| Perimeter-Area Ratio | 0.117 | 0.06 | 1.95 | 0.051 | 147.25 |
| Temperature  + Perimeter-Area Ratio | -0.027 | 0.013 | -2.070 | 0.039 | 147.32 |
| 0.075 | 0.057 | 1.303 | 0.193 |
| Temperature +  Site Type | -0.028 | 0.013 | -2.175 | 0.030 | 147.39 |
| 0.187 | 0.145 | 1.291 | 0.197 |
| NULL | 4.166 | 0.085 | 49.04 | --- | 147.84 |
| Perimeter-Area Ratio + Site Type | 0.081 | 0.079 | 1.027 | 0.304 | 150.14 |
| 0.160 | 0.202 | 0.792 | 0429 |
| Temperature × Perimeter-Area Ratio | -0.011 | 0.014 | -0.779 | 0.436 | 151.10 |
| Temperature × Site Type | -0.010 | 0.028 | -0.349 | 0.728 | 151.65 |
| Perimeter-Area Area × Site Type | -0.260 | 0.159 | -1.632 | 0.103 | 151.72 |
| Hemiptera Abundance | Impervious Surface  + Humidity | 0.029 | 0.009 | -3.220 | 0.001 | 161.21 |
| 0.054 | 0.018 | 3.033 | 0.002 |
| Impervious Surface | -0.032 | 0.012 | -2.966 | 0.003 | 163.65 |
| Impervious Surface × Humidity | -0.003 | 0.002 | -1.420 | 0.156 | 163.59 |
| Humidity | 0.064 | 0.023 | 2.772 | 0.006 | 165.65 |
| Impervious Surface +  Site Type | -0.371 | 0.011 | -3.311 | 0.001 | 166.14 |
| -0.299 | 0.265 | -1.128 | 0.259 |
| NULL | 4.276 | 0.161 | 26.52 | --- | 168.33 |
| Humidity +  Site Type | 0.065 | 0.023 | 2.859 | 0.004 | 168.88 |
| 0.176 | 0.272 | 0.647 | 0.517 |
| Impervious Surface × Site Type | -0.026 | 0.023 | -1.125 | 0.261 | 169.20 |
| Humidity × Site Type | -0.053 | 0.060 | -0.895 | 0.371 | 172.41 |
| Diptera Abundance | NULL | 5.092 | 0.11 | 46.3 | --- | 184.93 |
| Humidity + Site Type | 0.027 | 0.015 | 1.833 | 0.032 | 185.38 |
| -0.390 | 0.182 | -2.142 | 0.032 |
| Humidity | 0.03 | 0.017 | 1.749 | 0.08 | 185.75 |
| Perimeter-Area Ratio | -0.116 | 0.082 | -1.409 | 0.159 | 186.24 |
| Perimeter-Area Ratio +  Site Type | -0.011 | 0.104 | -0.110 | 0.912 | 187.61 |
| -0.399 | 0.264 | -1.514 | 0.130 |
| Humidity +  Perimeter-Area Ratio | 0.278 | 0.016 | 1.710 | 0.087 | 187.80 |
| -0.107 | 0.078 | -1.372 | 0.170 |
| Humidity × Site Type | 0.041 | 0.040 | -1.033 | 0.302 | 188.79 |
| Humidity × Perimeter-Area Ratio | 0.026 | 0.023 | 1.149 | 0.251 | 190.88 |
| Perimeter-Area Ratio × Site Type | -0.150 | 0.223 | -0.671 | 0.502 | 191.48 |
| Hymenoptera Richness | NULL | 2.404 | 0.075 | 31.98 | --- | 75.01 |
| Perimeter-Area Ratio | 0.064 | 0.059 | 1.09 | 0.276 | 76.47 |
| Perimeter-Area Ratio + Site Type | 0.103 | 0.081 | 1.266 | 0.205 | 79.06 |
| -0.145 | 0.208 | -0.698 | 0.485 |
| Perimeter-Area Ratio × Site Type | -0.055 | 0.172 | -0.318 | 0.750 | 82.59 |
| Hemiptera Richness | NULL | 1.447 | 0.121 | 11.93 | --- | 62.75 |
| No. Purple Flowers | -0.011 | 0.009 | -1.184 | 0.236 | 63.93 |
| No. Purple Flowers  + Site Type | -0.009 | 0.010 | -0.918 | 0.359 | 64.70 |
| -0.376 | 0.250 | -1.501 | 0.133 |
| No. Purple Flowers × Site Type | -0.001 | 0.023 | -0.030 | 0.976 | 68.34 |
| Diptera Richness | NULL | 1.812 | 0.101 | 17.94 | --- | 64.39 |
| No. Total Flowers | -0.003 | 0.003 | -1.02 | 0.308 | 65.91 |
| No. Total Flowers × Site Type | -0.003 | 0.003 | -0.954 | 0.340 | 68.99 |
| -0.007 | 0.214 | -0.033 | 0.974 |
| No. Total Flowers × Site Type | 0.001 | 0.009 | 0.073 | 0.942 | 72.62 |