|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 | Model 6 | Model 7 | |
| **(Intercept)** | 0.0449 \*\* | 0.0656 \*\* | 0.0015 \*\*\* | 0.0314 \*\* | 0.0226 \* | 0.0003 \*\*\* | 0.0004 \*\* | |
|  | (-2.7562,  p = 0.0058) | (-2.5771,  p = 0.0100) | (-4.5422,  p = 0.0000) | (-2.9061,  p = 0.0037) | (-2.3266,  p = 0.0200) | (-3.3034,  p = 0.0010) | (-2.9139,  p = 0.0036) | |
| **Plot Partial** | 3.0861 | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 608.9564 \*\* | 170.0439 \* | |
|  | (1.6740,  p = 0.0941) | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (2.7386,  p = 0.0062) | (2.1815,  p = 0.0291) | |
| **Plot Total** | 3.8827 \* | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 99.3250 \* | 54.7028 | |
|  | (2.1124,  p = 0.0347) | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (1.9965,  p = 0.0459) | (1.8096,  p = 0.0704) | |
| **Site Interm.** | \_\_\_\_\_\_\_\_ | 3.7168 \*\* | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 0.0293 \*\* | \_\_\_\_\_\_\_\_ | 0.0184 \*\* | |
|  | \_\_\_\_\_\_\_\_ | (2.9378,  p = 0.0033) | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (-2.6046,  p = 0.0092) | \_\_\_\_\_\_\_\_ | (-2.9403,  p = 0.0033) | |
| **Temp. difference** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 1.3658 \*\*\* | \_\_\_\_\_\_\_\_ | 1.0766 | \_\_\_\_\_\_\_\_ | 1.0757 | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (4.2238,  p = 0.0000) | \_\_\_\_\_\_\_\_ | (0.7546,  p = 0.4505) | \_\_\_\_\_\_\_\_ | (0.7460,  p = 0.4556) | |
| **Lizard pop.** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 1.0144 \* | \_\_\_\_\_\_\_\_ | 1.0712 \* | 1.0506 | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (2.2397,  p = 0.0251) | \_\_\_\_\_\_\_\_ | (2.3863,  p = 0.0170) | (1.6617,  p = 0.0966) | |
| **Temp. difference\* Site Interm.** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 1.3657 \*\*\* | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (3.3074,  p = 0.0009) | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | |
| **Lizard pop. \* Plot Partial** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 0.9293 \* | \_\_\_\_\_\_\_\_ | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (-2.4273,  p = 0.0152) | \_\_\_\_\_\_\_\_ | |
| **Lizard pop. \* Plot Total** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 0.9478 | \_\_\_\_\_\_\_\_ | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (-1.8253,  p = 0.0680) | \_\_\_\_\_\_\_\_ | |
| **Site Intermediate \* Temp. difference** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 1.3620 \*\* | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (3.2792, p = 0.0010) | |
| **Plot Partial \* Lizard pop.** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 0.9440 | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (-1.9027, p = 0.0571) | |
| **Plot Total \* Lizard pop.** | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | 0.9585 | |
|  | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_ | (-1.4807, p = 0.1387) | |
| **N** | 366 | 366 | 366 | 366 | 366 | 366 | 366 | |
| **N (plotID)** | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| **N (month)** | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| **N (rain\_year)** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| **AIC** | 899.6254 | 895.3816 | 884.7602 | 897.8106 | **875.8348** | 897.0963 | 877.0634 | |
| **BIC** | 926.9439 | 918.7974 | 908.1760 | 921.2264 | **907.0559** | 936.1226 | 927.7977 | |
| **R2 (fixed)** | 0.0307 | 0.0406 | 0.0718 | 0.0308 | **0.0851** | 0.0728 | 0.1208 | |
| **R2 (total)** | 0.7829 | 0.7824 | 0.7726 | 0.7824 | **0.7898** | 0.7832 | 0.7914 | |
| \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05. | | | | | | | |