Appendix 2

Table. A2 The results of linear mixed model with treatments as fixed variates, sub-regions as the random variates, species number as response variates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| effects | | | | | | |
| Random effects | Sub-regions | Name | Variance | Std.Dev |  |  |
| Date | (Intercept) | 0.1218 | 0.3489 |  |  |
| Residual |  | 5.4861 | 2.3422 |  |  |
| Fixed effects |  | Estimate | Std. Error | df | t value | Pr(>|t|) |
| (Intercept) | 2.6000 | 0.6246 | 12.5465 | 4.163 | 0.0012 \*\* |
| Treatment-Control | 2.3333 | 0.8553 | 23.9999 | 2.728 | 0.0117 \* |
| Correlation of Fixed Effects | (Intr) |  |  |  |  |  |
| Treatment-Control 0.342 | |  |  |  |  |

\* p < 0.05

\*\* p < 0.01

Table. A3 The results of linear mixed model with treatments as fixed variates, sub-regions as the random variates, independent photographs number as response variates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | effects | | | | | |
| Random effects | Sub-regions | Name | Variance | Std.Dev |  |  |
| Date | (Intercept) | 34.13 | 5.842 |  |  |
| Residual |  | 285.09 | 16.885 |  |  |
| Fixed effects |  | Estimate | Std. Error | df | t value | Pr(>|t|) |
| (Intercept) | 10.000 | 5.083 | 9.476 | 1.968 | 0.079 |
| Treatment-Control | 10.133 | 6.165 | 24.000 | 1.644 | 0.113 |
| Correlation of Fixed Effects | (Intr) |  |  |  |  |  |
| Treatment-Control -0.607 | |  |  |  |  |