Supplementary Material

**Supplementary Table 2.** Selection of GLM (Generalized Linear Models) and GLMMs (Generalized Linear Mixed Models) for the different response variables. Models are ranked by AICc (Akaike’s information criterion corrected for small samples).

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| --- | --- | --- | --- | --- | --- |
| **Response variable** | **Model**  | **df** | **AICc** | **logLik** | **ΔAICc** |
| Pollen load (GLM) | **1:** Number pollen grains ~ species | 4 | 1139.8 | -565.737 | 0.00 |
| **2:** Number pollen grains ~ 1 | 1 | 1416.9 | -707.416 | 277.09 |
| Pollen germination (%) (GLM) | **1:** pollen germination ~ treatment  | 4 | 162.5 | -76.665 | 0.00 |
| **2:** pollen germination ~ 1 | 1 | 214.8 | -106.324 | 52.28 |
| Seed set (%) (GLMM, random plant ID) | **1:** seed set ~ treatment + distance + distance \* treatment  | 5 | 634.8 | -311.623 | 0.00 |
| **2**: seed set ~ treatment + distance  | 4 | 644.1 | -317.550 | 9.32 |
| **3:** seed set ~ treatment  | 3 | 657.3 | -325.360 | 22.53 |
| **4:** seed set ~ distance | 3 | 684.6 | -338.989 | 49.78  |
| **5:** seed set ~ 1 | 2 | 697.5 | -346.619 | 62.74  |
| Seed cone damage (%) (GLMM, random plant ID) | **1:** seed damage ~ 1  | 2 | 219.4 | -107.454 | 0.00 |
| **2:** seed damage ~ treatment + distance + distance \* treatment | 5 | 221.6 | -104.573 | 2.29 |
| **3**: seed damage ~ treatment | 3 | 221.8 | -325.360 | 2.47 |