|  | χ2 | p | PVE | χ2 | p | PVE | χ2 | p | PVE | χ2 | p | PVE |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Population | | | Family | | | Population | | | Family | | |
|  | Distance | | | | | | Urbanization Score | | | | | |
| Height before flowering | 0.266 | 0.303 | 0.937 | 9.628 | **0.001** | 9.283 | 0.461 | 0.2485 | 1.242 | 9.578 | **0.001** | 9.225 |
| Height after flowering | 0.680 | 0.205 | 1.349 | 5.698 | **0.0085** | 6.666 | 0.873 | 0.175 | 1.547 | 5.642 | **0.009** | 6.618 |
| LDMC | 0.000 | 0.424 | 0.254 | 0.000 | 0.5 | 0.000 | 0.157 | 0.346 | 0.537 | 0.000 | 0.5 | 0.000 |
| Mortality | 0.804 | 0.185 | 1.571 | 0.781 | 0.1885 | 2.738 | 0.820 | 0.1825 | 1.586 | 0.758 | 0.192 | 2.701 |
| Ramets before flowering | 0.001 | 0.485 | 0.000 | 68.905 | **<0.001** | 6.877 | 0.034 | 0.427 | 0.000 | 68.829 | **<0.001** | 7.049 |
| Ramets after flowering | 0.025 | 0.437 | 0.248 | 27.856 | **<0.001** | 5.669 | 0.114 | 0.368 | 0.446 | 27.672 | **<0.001** | 5.650 |
| Relative growth rate | 0.000 | 0.5 | 0.000 | 0.098 | 0.377 | 1.229 | 0.000 | 0.5 | 0.000 | 0.101 | 0.3755 | 1.243 |
| SLA | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 |
| D. plexippus abundance | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 |
| L. clivicollis abundance | 0.374 | 0.2705 | 0.347 | 0.000 | 0.5 | 0.000 | 0.358 | 0.2745 | 0.326 | 0.000 | 0.5 | 0.000 |
| L. asclepiadis abundance | 1.275 | 0.1295 | 1.367 | 3.150 | **0.038** | 2.727 | 1.056 | 0.152 | 1.306 | 3.204 | **0.0365** | 2.727 |
| Herbivory before flowering (binary) | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.331 |
| Herbivory before flowering (quantitative) | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 |
| Herbivory after flowering (binary) | 0.000 | 0.4945 | 0.000 | 5.815 | **0.008** | 1.937 | 0.001 | 0.4865 | 0.000 | 5.699 | **0.0085** | 1.894 |
| Herbivory after flowering (quantitative) | 0.000 | 0.5 | 0.000 | 0.495 | 0.241 | 2.370 | 0.000 | 0.5 | 0.000 | 0.482 | 0.244 | 2.348 |
| Latex exudation | 4.628 | **0.0155** | 4.141 | 2.052 | 0.076 | 4.770 | 3.010 | **0.0415** | 3.217 | 1.907 | 0.0835 | 4.631 |
| Weevil damage (binary) | 0.000 | 0.5 | 0.000 | 3.429 | **0.032** | 5.637 | 0.000 | 0.5 | 0.000 | 3.499 | **0.0305** | 5.751 |
| Weevil damage (quantitative) | 1.232 | 0.1335 | 2.128 | 1.049 | 0.153 | 3.755 | 1.392 | 0.119 | 2.291 | 1.095 | 0.1475 | 3.839 |
| Date of first flower | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 10.098 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 9.954 |
| Date of first follicle | 0.003 | 0.4765 | 0.000 | 45.814 | **<0.001** | 0.000 | 0.000 | 0.5 | 0.000 | 47.014 | **<0.001** | 0.000 |
| Flower size | 1.159 | 0.141 | 7.233 | 0.103 | 0.374 | 3.994 | 0.833 | 0.181 | 6.365 | 0.132 | 0.358 | 4.603 |
| Flowering duration | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.000 |
| Flowering success | 4.766 | **0.0145** | 3.593 | 0.268 | 0.3025 | 1.439 | 4.695 | **0.015** | 3.569 | 0.274 | 0.3005 | 1.453 |
| Follicles | 0.000 | 0.5 | 0.743 | 0.000 | 0.5 | 0.000 | 0.000 | 0.5 | 0.813 | 0.000 | 0.5 | 0.000 |
| Inflorescences | 3.283 | **0.035** | 8.156 | 0.000 | 0.5 | 0.000 | 3.070 | **0.04** | 7.853 | 0.000 | 0.5 | 0.000 |
| Flowers per inflorescence | 0.203 | 0.326 | 6.489 | 0.000 | 0.5 | 1.507 | 0.060 | 0.403 | 6.237 | 0.000 | 0.5 | 0.838 |