| **Variables** | **df** | **logLik** | **AICc** | **delta** | **weight** |
| --- | --- | --- | --- | --- | --- |
| Decline effect | 5 | -12.400 | 36.675 | 0.000 | 0.262 |
| Precipitation change | 5 | -12.487 | 36.850 | 0.175 | 0.240 |
| Precipitation change + Decline effect | 6 | -11.213 | 37.136 | 0.461 | 0.208 |
| Small study effect | 5 | -13.456 | 38.787 | 2.112 | 0.091 |
| Precipitation change + Small study effect | 6 | -12.442 | 39.594 | 2.919 | 0.061 |
| Decline effect + Small study effect | 6 | -13.190 | 41.090 | 4.415 | 0.029 |
| Precipitation change \* Above/belowground-1 | 7 | -11.982 | 41.697 | 5.022 | 0.021 |
| Precipitation change + Decline effect + Small study effect | 7 | -12.005 | 41.743 | 5.068 | 0.021 |
| Precipitation change \* Body size | 7 | -12.636 | 43.006 | 6.331 | 0.011 |
| Precipitation change \* Exoskeleton | 7 | -12.636 | 43.006 | 6.331 | 0.011 |
| Precipitation change\*Above/belowground + Decline effect | 8 | -11.357 | 43.679 | 7.004 | 0.008 |
| Precipitation change\*Above/belowground + Small study effect | 8 | -11.374 | 43.713 | 7.038 | 0.008 |
| Precipitation change\*Exoskeleton + Decline effect | 8 | -11.387 | 43.739 | 7.064 | 0.008 |
| Precipitation change\*Body size + Decline effect | 8 | -11.387 | 43.739 | 7.064 | 0.008 |
| Precipitation change \*Body size + Small study effect- | 8 | -11.821 | 44.608 | 7.933 | 0.005 |
| Precipitation change \* Body size + Decline effect + Small study effect- | 9 | -10.725 | 45.879 | 9.204 | 0.003 |
| Precipitation change \* Exoskeleton + Decline effect + Small study effect- | 9 | -10.725 | 45.879 | 9.204 | 0.003 |
| Precipitation change \* Above/belowground + Decline effect + Small study effect- | 9 | -10.770 | 45.969 | 9.294 | 0.003 |