Table 27.2 .The results of fitting models M0 and Mh and an ordinary SCR model to the slow worm data. Model Mh has one extra parameter compared to model M0, the individual heterogeneity parameter *θ*. The SCR model has one additional parameter, *σ*, the scale parameter of the encounter probability model relating individual *p* to distance between individual activity centre and trap location.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Model | p or p*0* | n*0* | extra parameter | N | D(/ha) | AIC |
| M*0* | 0.0396 | 3.97 |  | 47.97 | - | -73.42 |
| M*h* | 0.0149 | 30.88 | 1.114 | 74.88 | - | -89.21 |
| SCR | 0.0501 | 112.14 | 21.005 | 156.14 | 14.68 | 320.39 |