**White et al Parameter values**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uoE | uoL | uP | Y | sf | B | logLike | Reff |
| 0.034 | 0.035 | 0.25 | 13.25 | NA | 21.19 | NA | ~20-40 |

**Stochastic model non-Clumped egg laying**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uoE | uoL | uP | Y | sf | B | logLike | Reff |
| 0.102474 | 0.009477 | 0.144661 | 12.73906 | 2.60235 | 9.846573 | 343.6936 | 3.783267 |

**Stochastic model clumped egg laying**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uoE | uoL | uP | Y | sf | n | logLike | Reff |
| 0.104366 | 0.015119 | 0.171963 | 13.76813 | 6.630103 | 8.059338 | 305.9064 | 16.85508 |

**Deterministic model**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| uoE | uoL | uP | Y | sf | n | logLike | Reff |
| 0.1601419 | 0.000572 | 0.1546895 | 11.5889 | 16.99464 | 10.68366 | 234.7889 | 76.04628 |