Census in spring

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Germination | Summer survival | Contribution to competition | Contribution to seed production | Winter survival | Census |
| t = 1: Ns 🡪 Np | gNs | ghNs | ghNs | ghFNs | ghsNs | Np: ghsNs |
| t = 2: Np 🡪 Np | -- | hNp | hNp | hFNp | hsNp | Np: hsNp |
| t = 2: sub in Np(1) (ghsNs) | -- | h(ghsNs) | h(ghsNs) | hF(ghsNs) | hs(ghsNs) | Np: hs(ghsNs) |
| t = 3: Np 🡪 Np sub in Np(2) (hsNp) | -- | h(hsNp) | h(hsNp) | hF(hsNp) | hs(hsNp) | Np: hs(hsNp) |

Census in fall

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Winter survival | Germination | Summer survival | Contribution to competition | Contribution to seed production | Census |
| t = 1: Ns 🡪 Np | -- | gNs | ghNs | ghNs | ghFNs | Np: ghNs |
| t = 2: Np 🡪 Np | sNp | -- | hsNp | hsNp | hsFNp | Np: hsNp |
| t = 2: sub in Np(1) (ghNs) | s(ghNs) | -- | hs(ghNs) | hs(ghNs) | hsF(ghNs) | Np: hs(ghNs) |
| t = 3: Np 🡪 Np sub in Np(2) (hsNp) | s(hsNp) | -- | hs(hsNp) | hs(hsNp) | hsF(hsNp) | Np: hs(hsNp) |