

Terms	Description	Functional form
$p_{\mathrm{s}}(z_h,z_\omega)$	Probability of ramet survival	$logit^{-1}(\alpha + \beta_{z_h} + \beta_{z_\omega} + u_{\alpha s} + u_{z_\omega s} + u_{\alpha y} + u_{z_\omega y})$
$G(z_h' \mid z_h, z_\omega)$	Growth	$\alpha + \beta_{z_h} + \beta_{z_\omega} + \beta_{z_h:z_\omega} + u_{\alpha s} + u_{\alpha y} + u_{z_h y} + N(0, \sigma^2)$
$p_{ m f}(z_h,z_\omega)$	Probability of flowering	$logit^{-1}(\alpha + \beta_{z_h} + \beta_{z_\omega} + \beta_{z_h:z_\omega} + u_{\alpha s} + u_{\alpha y} + u_{z_h y} + u_{z_\omega y})$
$N_{\mathrm{pods}}\left(z_{h}^{\prime},z_{\omega}\right)$	Number of pods	$exp(\alpha + \beta_{z'_h} + u_{\alpha s} + u_{z'_h s} + u_{\alpha y} + u_{z_\omega y})$
$N_{\rm seeds/pod}$	Number of seeds per pod	α
$N_{ m buds/stem}(z_{\omega})$	Number of buds per stem	$exp(\alpha + \beta_{z_{\omega}})$
$p_{ m r}$	Probability of seed recruitment	α
$\rho_{\omega}(z_{\omega})$	Herbivory distribution	$(1 - p_{\omega})I(z_{\omega}) + p_{\omega} \ln N(\mu, \sigma^2)$
$ ho_S(z_h^{\prime\prime})$	Seed recruit distribution	$\ln N(\mu, \sigma^2)$
$\rho_B(z_h^{\prime\prime})$	Bud recruit distribution	$N(\mu,\sigma^2)$