|  | Survival | Growth | Prob. rep. | Amt. rep. | Survival | Growth | Prob. rep. | Amt. rep. | Survival | Growth | Prob. rep. | Amt. rep. |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Intercept | -23.48 | 2.16 \* | 1.08 | 2.24 \* | -19.14 | 1.67 \* | 856.14 | -284.91 \* | -1.55 | 3.09 \* | -1.39 | 2.58 \* |
|  | (2656.79) | (0.42) | (1.45) | (0.75) | (558.43) | (0.43) | (4556.91) | (123.01) | (1.01) | (0.39) | (1.24) | (0.51) |
| Initial size | 1.04 \* | 0.07 | -1.14 \* | 0.07 | 0.39 \* | 0.60 \* | 1.62 \* | 0.16 | 0.53 \* | 0.30 \* | 0.33 | 0.05 |
|  | (0.51) | (0.14) | (0.56) | (0.29) | (0.09) | (0.03) | (0.40) | (0.11) | (0.20) | (0.07) | (0.24) | (0.10) |
| Treatment (-B-S-I) | 39.95 | 1.33 \* | 21.06 | 1.33 \* |  |  |  |  | 2.08 \* | -0.04 | -0.01 | 0.16 |
|  | (5020.13) | (0.40) | (2447.81) | (0.64) |  |  |  |  | (0.62) | (0.20) | (0.71) | (0.32) |
| Treatment (-B-S+I) |  |  |  |  | 0.77 | -0.69 \* | -0.30 | 0.15 | 2.63 \* | 0.05 | 0.48 | 0.14 |
|  |  |  |  |  | (0.54) | (0.18) | (1.21) | (0.20) | (0.69) | (0.22) | (0.81) | (0.37) |
| Treatment (-B+S-I) |  |  |  |  | 1.39 | -0.71 \* | -15.40 |  | 2.08 \* | 0.58 \* | 0.48 | 0.13 |
|  |  |  |  |  | (0.73) | (0.22) | (1539.30) |  | (0.66) | (0.23) | (0.80) | (0.37) |
| Treatment (+B+S-I) | 24.03 |  |  |  | 0.03 | -0.73 \* | 1.17 | 0.26 | 1.68 \* | 0.03 | 1.18 | -0.13 |
|  | (2656.79) |  |  |  | (0.54) | (0.19) | (1.26) | (0.22) | (0.67) | (0.23) | (0.81) | (0.36) |
| Treatment (-B+S+I) |  |  |  |  | 17.74 | -0.74 \* | -0.74 | 0.08 | 2.25 \* | 0.03 | -0.03 | -0.15 |
|  |  |  |  |  | (558.43) | (0.18) | (1.25) | (0.24) | (0.67) | (0.22) | (0.79) | (0.39) |
| 4-year burn |  |  |  |  | 19.09 | 0.58 | 17.54 |  | 2.35 \* | 0.49 | 1.27 | -0.46 |
|  |  |  |  |  | (558.43) | (0.34) | (4476.58) |  | (1.08) | (0.38) | (1.37) | (0.55) |
| 4-year burn x treatment (-B-S+I) |  |  |  |  |  |  |  |  |  | -0.64 |  |  |
|  |  |  |  |  |  |  |  |  |  | (0.67) |  |  |
| 4-year burn x treatment (+B+S-I) |  |  |  |  |  |  |  |  | -3.05 | 0.61 | 15.75 | 1.54 |
|  |  |  |  |  |  |  |  |  | (1.88) | (0.76) | (3956.18) | (1.01) |
| 4-year burn x treatment (-B+S+I) |  |  |  |  | -17.56 |  |  |  | -6.30 \* | -0.37 | -35.21 |  |
|  |  |  |  |  | (558.43) |  |  |  | (1.93) | (0.53) | (4558.59) |  |
| No. obs. | 78 | 53 | 53 | 23 | 864 | 635 | 635 | 15 | 294 | 164 | 166 | 114 |
| AIC | 52.25 | 140.54 | 56.48 | 65.62 | 832.67 | 1480.68 | 121.84 | -4.79 | 310.13 | 376.14 | 202.23 |  |
| BIC | 66.39 | 150.39 | 66.34 | 71.29 | 894.57 | 1534.12 | 157.47 | 0.87 | 402.22 | 419.53 | 267.58 |  |
| Log Likelihood | -20.13 | -65.27 | -23.24 | -27.81 | -403.33 | -728.34 | -52.92 | 10.40 | -130.06 | -174.07 | -80.11 |  |
| Deviance | 40.25 |  | 46.48 |  | 806.67 |  | 105.84 | 0.22 | 260.13 |  | 160.23 |  |
| Num. obs. | 78 | 53 | 53 | 23 | 864 | 635 | 635 | 15 | 294 | 164 | 166 | 114 |
| Num. groups: startyear |  | 3 |  | 3 |  | 3 |  |  |  | 2 |  |  |
| Var: startyear (Intercept) |  | 0.11 |  | 0.45 |  | 0.05 |  |  |  | 0.07 |  |  |
| Var: Residual |  | 0.63 |  | 0.56 |  | 0.56 |  |  |  | 0.44 |  |  |
| Num. groups: block |  |  |  |  |  |  |  |  |  | 12 |  |  |
| Var: block (Intercept) |  |  |  |  |  |  |  |  |  | 0.08 |  |  |
| R^2 |  |  |  |  |  |  |  |  |  |  |  | 0.14 |
| Adj. R^2 |  |  |  |  |  |  |  |  |  |  |  | -0.04 |