| model | AIC | delta\_AIC |
| --- | --- | --- |
| **tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + (1 | Fire)** | **510.71** | **0.00** |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + tmin:fsplanted + (1 | Fire) | 512.35 | -1.64 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + normal\_annual\_precip:fsplanted + (1 | Fire) | 511.36 | -0.65 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + rad\_summer:fsplanted + (1 | Fire) | 512.67 | -1.96 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + Forbs:fsplanted + (1 | Fire) | 511.17 | -0.46 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + Grasses:fsplanted + (1 | Fire) | 512.62 | -1.91 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + Shrubs:fsplanted + (1 | Fire) | 512.68 | -1.96 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + ShrubHt:fsplanted + (1 | Fire) | 511.92 | -1.20 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + log10SeedWallConifer:fsplanted + (1 | Fire) | 512.30 | -1.59 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + tpi2000:fsplanted + (1 | Fire) | 512.71 | -1.99 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + elev:fsplanted + (1 | Fire) | 511.22 | -0.51 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + twi:fsplanted + (1 | Fire) | 512.52 | -1.81 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + CWD\_sound:fsplanted + (1 | Fire) | 511.08 | -0.36 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + **tmin:normal\_annual\_precip** + (1 | Fire) | **484.65** | **26.06** |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + normal\_annual\_precip:rad\_summer + (1 | Fire) | 512.64 | -1.93 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + twi:normal\_annual\_precip + (1 | Fire) | 511.92 | -1.20 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + twi:rad\_summer + (1 | Fire) | 512.69 | -1.98 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + twi:elev + (1 | Fire) | 512.04 | -1.33 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + tpi2000:normal\_annual\_precip + (1 | Fire) | 510.93 | -0.22 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + tpi2000:tmin + (1 | Fire) | 509.78 | 0.94 |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + **tpi2000:elev** + (1 | Fire) | **505.86** | **4.85** |
| ln.dens.planted ~ tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + **fsplanted:facts.planting.first.year** + (1 | Fire) | **507.04** | **3.67** |
| tmin + normal\_annual\_precip + rad\_summer + Forbs + Grasses + Shrubs + ShrubHt + log10SeedWallConifer + tpi2000 + elev + twi + CWD\_sound + facts.planting.first.year + fsplanted + tmin:normal\_annual\_precip + tpi2000:elev + fsplanted:facts.planting.first.year + **Shrubs:fsplanted** + **Shrubs:fsplanted:facts.planting.first.year** + (1 | Fire) | **473.44** | **37.28** |
| ln.dens.planted ~ rad\_summer + Forbs + Grasses + ShrubHt + log10SeedWallConifer + CWD\_sound + tmin + normal\_annual\_precip + tpi2000 + elev + Shrubs + fsplanted + facts.planting.first.year + tmin:normal\_annual\_precip + tpi2000:elev + facts.planting.first.year:fsplanted + Shrubs:fsplanted + Shrubs:facts.planting.first.year:fsplanted + (1 | Fire) | 471.44 | 39.27 |
| ln.dens.planted ~ rad\_summer + Grasses + ShrubHt + log10SeedWallConifer + CWD\_sound + tmin + normal\_annual\_precip + tpi2000 + elev + Shrubs + fsplanted + facts.planting.first.year + tmin:normal\_annual\_precip + tpi2000:elev + fsplanted:facts.planting.first.year + Shrubs:fsplanted + Shrubs:fsplanted:facts.planting.first.year + (1 | Fire) | 469.50 | 41.21 |
| ln.dens.planted ~ Grasses + ShrubHt + log10SeedWallConifer + CWD\_sound + tmin + normal\_annual\_precip + tpi2000 + elev + Shrubs + fsplanted + facts.planting.first.year + tmin:normal\_annual\_precip + tpi2000:elev + fsplanted:facts.planting.first.year + Shrubs:fsplanted + Shrubs:fsplanted:facts.planting.first.year + (1 | Fire) | 467.59 | 43.12 |
| ln.dens.planted ~ Grasses + ShrubHt + log10SeedWallConifer + tmin + normal\_annual\_precip + tpi2000 + elev + Shrubs + fsplanted + facts.planting.first.year + tmin:normal\_annual\_precip + tpi2000:elev + fsplanted:facts.planting.first.year + Shrubs:fsplanted + Shrubs:fsplanted:facts.planting.first.year + (1 | Fire) | 467.10 | 43.62 |
| ln.dens.planted ~ ShrubHt + log10SeedWallConifer + tmin + normal\_annual\_precip + tpi2000 + elev + Shrubs + fsplanted + facts.planting.first.year + tmin:normal\_annual\_precip + tpi2000:elev + fsplanted:facts.planting.first.year + Shrubs:fsplanted + Shrubs:fsplanted:facts.planting.first.year + (1 | Fire) | 467.25 | 43.46 |
| **ln.dens.planted ~ log10SeedWallConifer + tmin + normal\_annual\_precip + tpi2000 + elev + Shrubs + fsplanted + facts.planting.first.year + tmin:normal\_annual\_precip + tpi2000:elev + fsplanted:facts.planting.first.year + Shrubs:fsplanted + Shrubs:fsplanted:facts.planting.first.year + (1 | Fire)** | **469.05** | **41.66** |