Enlist 2020

1 Filter

1.1 Parameters

Southcentral and Southwest failed to converge.

1.1.1 Southwest

```
## Model fitted: Log-logistic (ED50 as parameter) with lower limit at 0 (3 parms)
##
## Parameter estimates:
##
##                 Estimate Std. Error t-value p-value
## b:(Intercept)    8.78651    3.67777  2.3891 0.09682 .
## d:(Intercept) 1201.32111  703.66859  1.7072 0.18632
## e:(Intercept)    0.89917    0.25491  3.5274 0.03871 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error:
##
##  3.329187 (3 degrees of freedom)
```

1.1.2 Northcentral

```
##
## Model fitted: Log-logistic (ED50 as parameter) with lower limit at 0 (3 parms)
##
## Parameter estimates:
##
##                 Estimate Std. Error t-value p-value
## b:(Intercept) 4.8309e-03 1.6776e+00  0.0029  0.9979
## d:(Intercept) 6.7663e-02 1.5002e+00  0.0451  0.9669
## e:(Intercept) 5.7490e-01 5.3036e+03  0.0001  0.9999
##
## Residual standard error:
##
##  0.08216097 (3 degrees of freedom)
```

1.2 ED50 and ED99

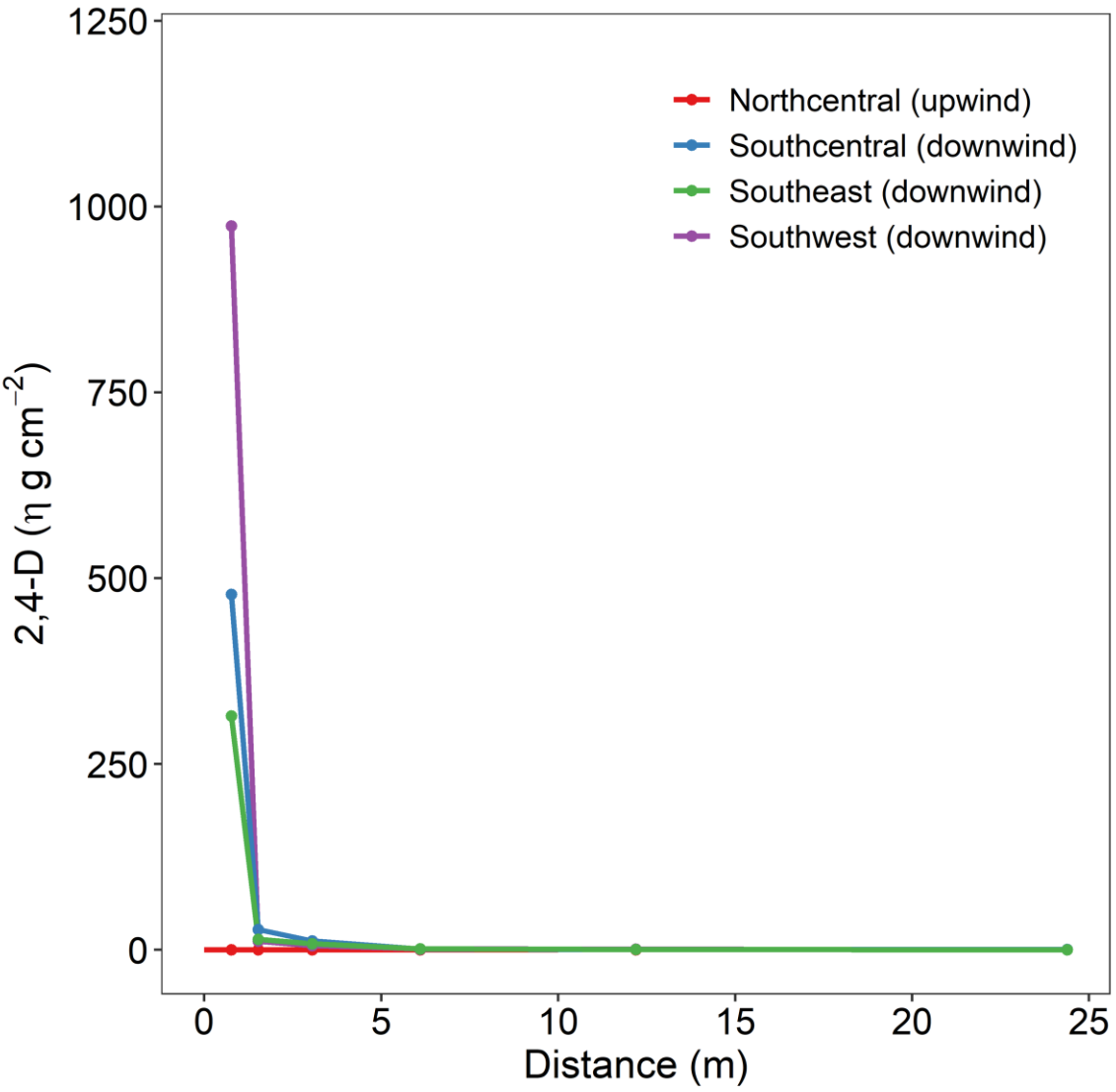
1.2.1 Southwest

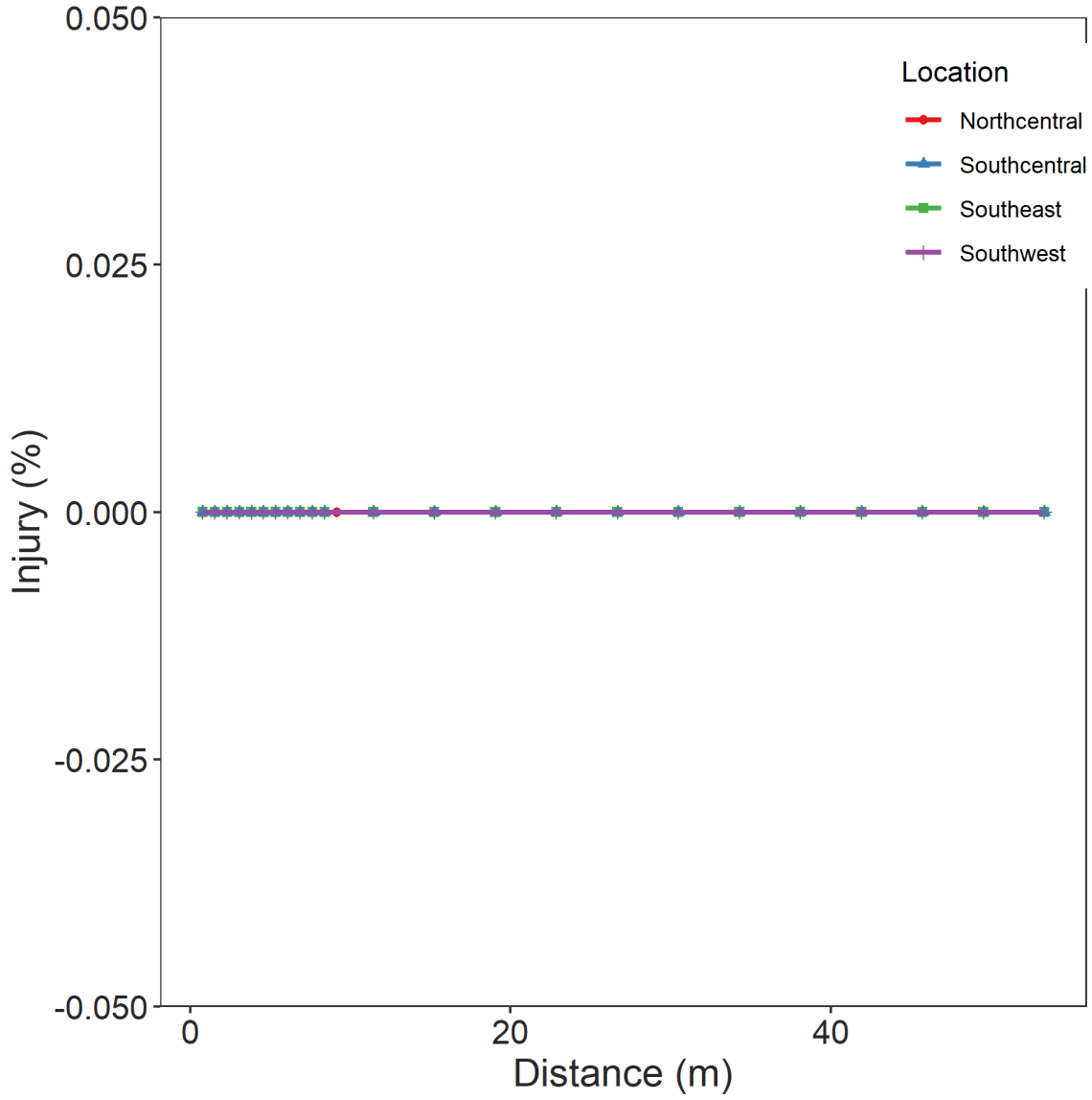
```
##
## Estimated effective doses
##
##        Estimate Std. Error
## e:1:50  0.89917    0.25491
## e:1:99  1.51694    0.11182
```

1.2.2 Northcentral

```
## Estimated effective doses
##
##         Estimate Std. Error
## e:1:50    0.5749  5303.5612
## e:1:99       Inf         NA
```

1.3 Figure


1250
1000
750
500
250
0
2,4-D (η g cm^{-2})
0
5
10
15
20
25
Distance (m)
Northcentral (upwind)
Southcentral (downwind)
Southeast (downwind)
Southwest (downwind)

2 Injury

2.1 Figure