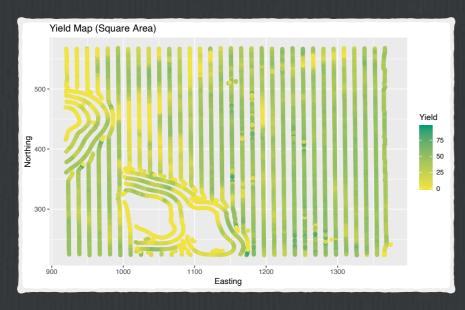
Expanded Square





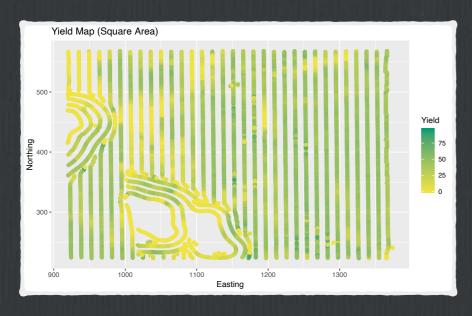
```
☐ Likelihood test to compare 2D models with and without treatment effect
```

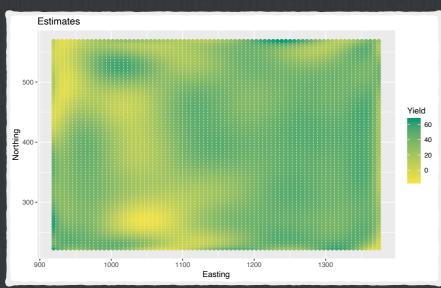
```
Likelihood ratio test
Model 1: Yield ~ poly(Easting, 17) *
poly(Northing, 17)
Model 2: Yield ~ poly(Easting, 17) *
poly(Northing, 17) + Sprayed
    #Df LogLik Df Chisq Pr(>Chisq)
1 325 -21602
2 326 -21601 1 1.0578 0.3037
```

 \square and

$$H_{2D}$$
: $\tau = 0.648, p(t) = 0.317$

Expanded Square





- ☐ Likelihood test to compare 2D models with and without treatment effect
- Likelihood ratio test
 Model 1: Yield ~ poly(Easting, 17) *
 poly(Northing, 17)
 Model 2: Yield ~ poly(Easting, 17) *
 poly(Northing, 17) + Sprayed
 #Df LogLik Df Chisq Pr(>Chisq)
 1 325 -21602
 2 326 -21601 1 1.0578 0.3037
- \Box and H_{2D} : $\tau = 0.648, p(t) = 0.317$
- ☐ But we require some degree of interpolation to fill in missing areas.