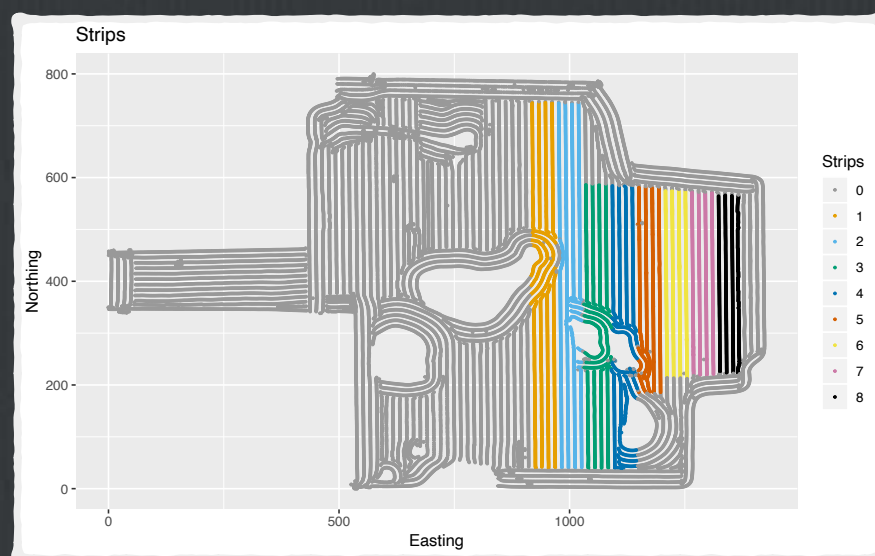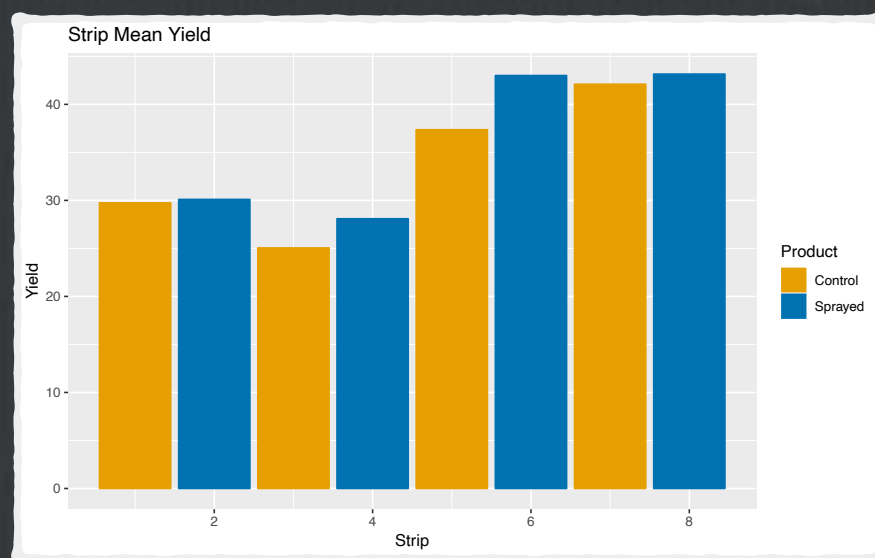# Results

☐
```
> wilcox.test(Yield ~ Product, paired=TRUE,…)
        Wilcoxon signed rank test
data:  Yield by Product
V = 0, p-value = 0.125
```

☐
```
> t.test(Yield ~ Product, paired=TRUE, …)
        Paired t-test
data:  Yield by Product
t = -2.1319, df = 3, p-value = 0.1228
sample estimates:
mean in group Control mean in group Sprayed
        33.56637                36.09020
```

☐
```
> friedman.test(Yield ~  Block | Product, …)
        Friedman rank sum test
data:  Yield and Block and Product
Friedman chi-squared = 6, df = 3, p-value = 0.1116
```
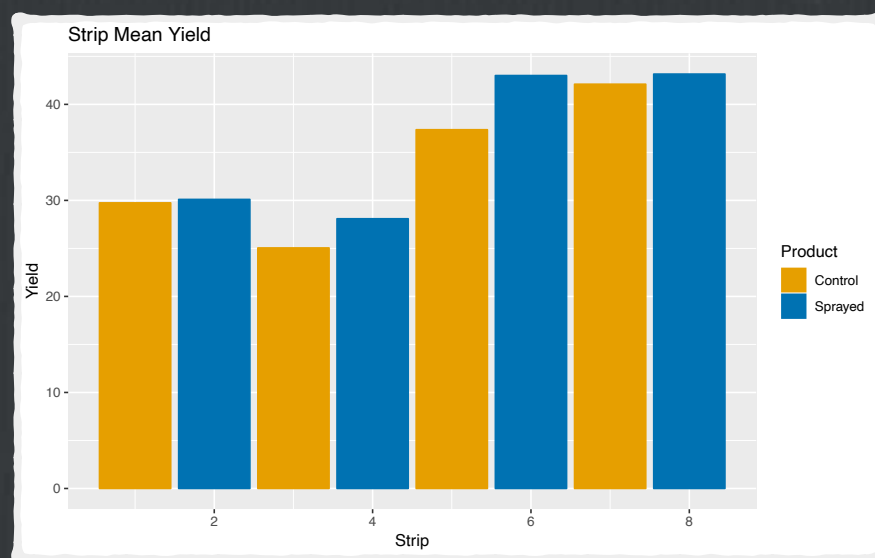
☐
```
> anova(Yield ~ Block + Product, …)
        Analysis of Variance Table
Response: Yield
          Df Sum Sq Mean Sq  F value    Pr(>F)
Block      3 363.52 121.173   43.230 0.005732 **
Product    1  12.74  12.739    4.545 0.122791
Residuals  3   8.41   2.803
```

We fail to reject the null hypothesis

Strip Mean Yield

- ☐ **Even though :**

  - ☐ **For each pair of strips, the treated strip had greater yield**

  - ☐ **Average yield in the treated strips was greater (36.1 vs 33.6 bu/acre - ~ 7.5% increase)**

☐
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          Wilcoxon signed rank test
data:  Yield by Product
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          Paired t-test
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          Friedman rank sum test
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          Analysis of Variance Table
Response: Yield
          Df Sum Sq Mean Sq F value   Pr(>F)
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Product    1  12.74  12.739   4.545 0.122791
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