Naive Analysis

- ☐ Each treated strip covers 4 harvest passes.
- ☐ Pair each treated strip with an adjacent strip of untreated harvest passes.
- ☐ Calculate mean yields for all yield data points in each strip.
- ☐ Analyze as if each strip were a plot in a small-plot experiment (RCB, 2 treatments, 4 replicates)
- ☐ Write a model

  $y_{ij} = \mu + \rho_j + \tau_i + e_{ij}$

  $\tau_0 =$ **unsprayed**, $\tau_1 =$ **sprayed**, $\rho_1 \ldots \rho_4 =$ **pairs**, $e_{ij} \sim \mathcal{N}\left(0, \sigma^2\right)$
- ☐ State a null hypothesis

  $H_0 : \tau_1 = \tau_2 = 0$

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(Naive in the sense of ignoring aspects of experimental design)

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