

Notation (suppressing subscripts throughout):

- $Y$  for the response variable (the yield). This needs to be the same as in the Regression Chapter.
- $\mu$  for the mean.
- $\tau$  for treatment effects.
- $\beta$  for block effects.
- $r$  for the replication of a treatment.
- $E$  for the random error term,  $\hat{E}$  for estimated residuals. Again should match regression chapter.
- For a factorial treatment structure,  $\alpha$  and  $\gamma$  for the main effects of the two factors, and  $(\alpha\gamma)$  for the interaction.
- I'd have 'hats' for estimates/estimators, because they will be ML estimates/ors, even if I don't prove this.