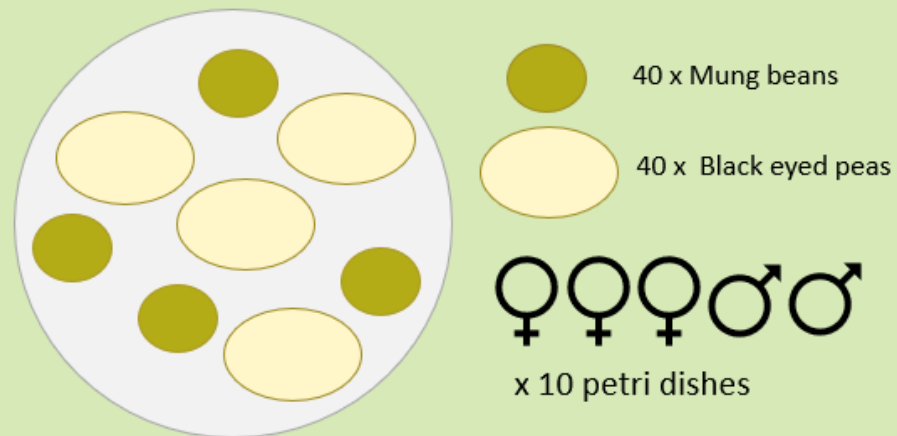


# Do The Beetles like The Black Eyed Peas?

*Does Callosobruchus maculatus have an egg laying preference towards black eyed peas over mung beans?*

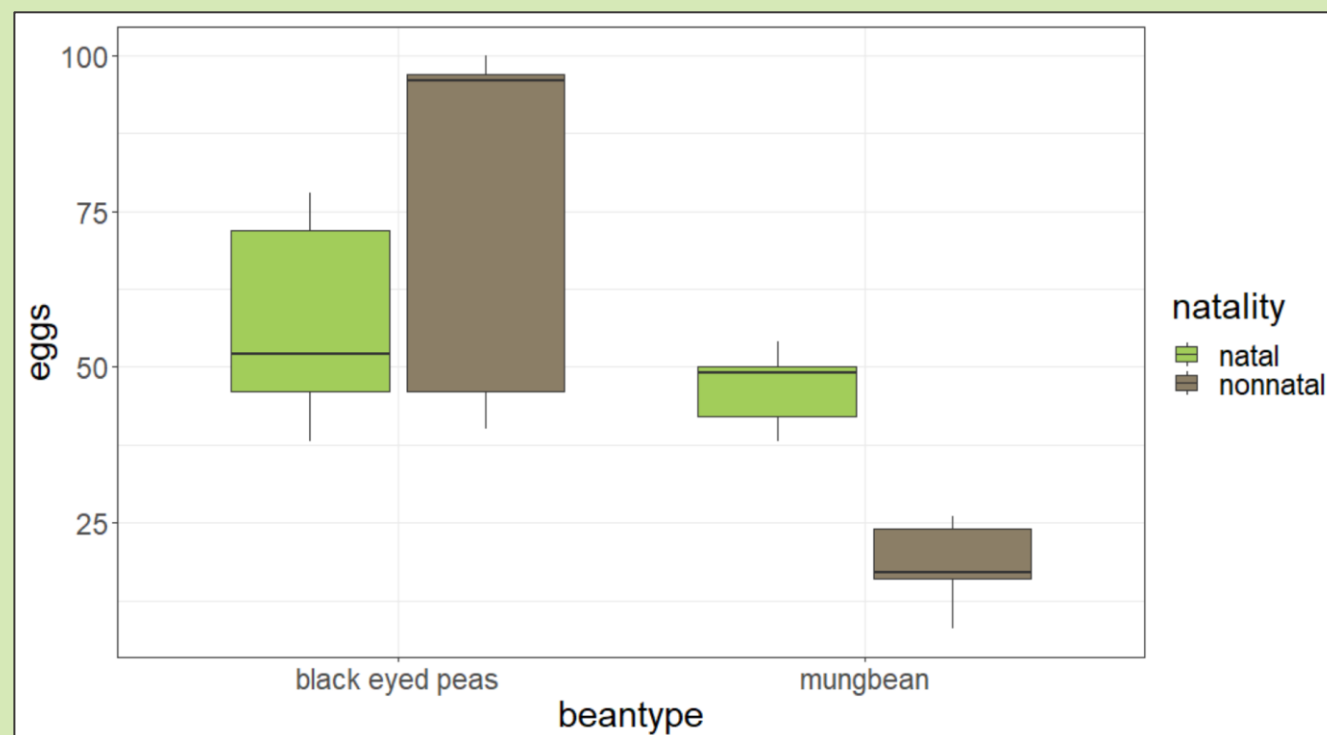
## Egg laying preferences of natal and non natal



**Figure 1:** Five of the petri dishes had beetles natal to Black eyed peas (BEP) and the other five had beetles natal to mung beans

## Bean type matters, natality not so much

- Significantly more eggs on BEP. Total 665 eggs on BEP vs. 324 eggs on mung beans (ANOVA p-value=  $2e-16 < 0.05$ )
- Natality is not significant (ANOVA P-value =  $0.1191 > 0.05$ )
- Only eggs on mung beans by natal C. maculatus. Natality influences one of the treatment groups (natal to mung beans)



**Figure 2:** Box 1 and 3 shows number of eggs laid on natal beans, whereas 2 and 4 shows eggs laid on nonnatal beans.



## Egg laying on black eyed peas preferred

- Clear preference for BEP for both natalities
- More research needed to point out why the beetles preferred the BEP over the mung beans
- Unchecked factors: nutrients, size difference, survival etc.
  - Possibility for more eggs due to size?
  - Survival rate of hatched adults not tested

